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ELASTOMERS



William Johnston & Company Limited have been involved with the manufacture and conversion of rubber since 1946. The company is ISO approved for quality within manufacture and maintains ongoing quality checks to maintain its reputation as one of the leaders in the gasket and sealing industry.

As we supply sheet, roll, strip, gasket and fabrications in a very wide range of materials known as elastomers we include a table below of the generic type of elastomer and some commonly requested information about each.

COMMON													
COMMON NAME	NATURAL	SBR	EPDN	Л	NEOP	RENE		SM	NI	TRILE	ACRY	uic (VAMAC
NAME	NATURAL	STYRENE	ETHYLE		NEOF					INILL	ACAT	LIC	VAINAC
CHEMICAL		BUTADIENE					CHLORO	SULFYNOL	ACRYL	ONITRILE			ETHYLENE
NAME	POLYISOPRENE	RUBBER			POLYCHLOROPRENE					ADEIEN	POLYAC	RYLIC	ACRYLIC
ABREVIATED													
NAME	NR	SBR	EPDN	Λ	C	R	C	SM		NBR	ACI	М	AEM
HARDNESS													
RANGE	30-95	40-95	30-85	5	30-	90	4	0- <mark>8</mark> 5	4()- <mark>10</mark> 0	50-8	85	45-90
HEAT													
RESISTANCE °C													
Maximum													
Continuous °C	75	85	130		93	5	1	130		100	15	0	150
Peak °C	105	115	150		12	25		160		130	18	0	180
Minimum °C	-60	-55	-50		-4	.0		-25		-50	-20	D	-40
COMMON						1							
NAME	EPICHLOROHYD		UTYL	CII	ICONE	HN	DD	FLOUROCA	PRON				KALREZ
INAME	CPICILOROHTD			511			DN	FLOOROCA	NDUN	FLUURUS	ILICONE		NALINEZ
CHEMICAL						HYDROG	FNATED						
NAME	EPICHLOROHYD		BUTYLENE	POLYS	SILOXANE	NIT		FLOUROCA	RBON	FLOUROS	ILICONE	PERFL	OUROCARBON
ABREVIATED													
NAME	ECO		IIR	Q	(VMQ)	HN	BR	FKM		FC	2		FFKM
HARDNESS													
RANGE	40-85	4	40-85		40-80		-95 50-95		5	40-80			65-90
HEAT													
RESISTANCE °C													
Maximum													
Continuous °C	140		120		205	15	-	205		18	0		
Peak °C	160		135		300	18	0	250		20	0		325
Minimum °C	-30		-50		-60	-3	0	-40		-60	0		0

Each different elastomer has many variations in composition and the resultant product will then have variations within the Shore A hardness, tensile strength, abrasion resistance, electrical conductivity etc. On the next 2 pages you will find some common variations on each type .

FLUORO-SILICONE 80, WHITE. S.G. IS 1.7 Image: Construction of the construction o	BUTYL RUBBER	HYDROGENATED NITRILE BUTADIENE RUBBER (HNBR)	POLYCHLOROPRENE AND NEOPRENE© RUBBER		
HTLB TO IS S222412 GACE 39 H45 S145 GACE PRUVICUSATIVE S1 GACE 30 HTLB S1 TO IS S222412 GACE 39 H45 S1462 (GAT HALL ACC) PRUVICUSATIVE S1 HOS S1 HTLB S1 TO IS S222412 GACE 39 H45 S1462 (GAT HALL ACC) PRUVICUSATIVE S1 HOS S1 HTLB S1 TO IS S222412 GACE 39 H45 S1462 (GAT HALL ACC) PRUVICUSATIVE S1 HOS S1 HTLB S1 TO IS S222412 GACE 39 H45 S142 (GAT HALL ACC) PRUVICUSATIVE S1 HOS S1 HTLB S1 TO IS S222412 GACE 39 H45 S142 (GAT HALL ACC) PRUVICUSATIVE S1 HOS S1 HTLB S1 TO IS S222412 GACE 30 H45 S1 GAE PRUVICUSATIVE S1 HOS S1 H45 S1 TO IS S22412 GACE 30 H45 S1 PRUVICUSATIVE S1 HOS S1 H45 S1 TO IS S22412 GACE 30 H45 S1 PRUVICUSATIVE S1 HOS S1 H46 S1 TO IS S22412 GACE 30 H45 S1 PRUVICUSATIVE S1 HOS S1 H46 S1 TO IS S22412 GACE 30 H45 S1 PRUVICUSATIVE S1 HOS S1 H46 S1 TO IS S22412 GACE 30 H45 S1 PRUVICUSATIVE S1 HOS S1 H46 S1 TO IS S22412 GACE 30 H45 S1 PRUVICUSATIVE S1 HOS S1 H46 S1 TO IS S22412 GACE 30 H45 HOS S1 PRUVICUSATIVE S1 HOS S1 H46 S1 TO IS S2440 GACE 30 H56 HOS S1 H56 HOS S1 H46 S1 TO IS S2440 GACE 30 H56 HOS S1 H56 HOS S1 H46 S1 TO IS S2440 GACE 30 H56 HOS S1 H56 HOS S1 H46 S1 TO IS S24 S0 <td>BUTYL 40 (B 40)</td> <td>HNBR 50 SHORE</td> <td>POLYCHLOROPRENE 40 GREY</td>	BUTYL 40 (B 40)	HNBR 50 SHORE	POLYCHLOROPRENE 40 GREY		
BTD. 42	BUTYL TO BS3227 B50 BLACK	HNBR 50 (BASIC PROPERTIES)	POLYCHLOROPRENE 40 (NON ETU)		
BTP: BKR WINKE PROVEMENDE OF SALE (YE.ST) BKP: RKW WINKE RKW WINKE RKW WINKE WEIL BKP: RKW WINKE RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: RKW WINKE WEIL RKW WINKE WEIL RKW WINKE WEIL BKP: <td>BUTYL 50 TO BS 3227:2003 GRADE B50</td> <td>HNBR 50/60 SHORE</td> <td>POLYCHLOROPRENE 50 GREEN NE</td>	BUTYL 50 TO BS 3227:2003 GRADE B50	HNBR 50/60 SHORE	POLYCHLOROPRENE 50 GREEN NE		
04/03.7L 1005: X04: 60 ALX 10 5F 5W 34-5 48.5 10 6F FRUE CONTRACE SI BLUN 04/03.7L 1005: X04: 60 ALX 10 5F 5W 34-5 48.5 10 6F FRUE CONTRACE SI BLUN 0F 7W 1005 ALX 1005: X04: 50 ALX 1005 48.8 10 C FRUE CONTRACE SI BLUN 0F 7W 1005 ALX 1005: X04: 50 ALX 1005 48.8 10 C FRUE CONTRACE SI BLUN 0F 7W 1005 ALX 1005: X04: 50 ALX 1005 48.8 10 C FRUE CONTRACE SI BLUN 0F 7W 1005 ALX 1005: X04: 50 ALX 1005 48.8 10 E FRUE CONTRACE SI BLUN 0F 7W 1005 ALX 1005: X04: 50 ALX 1005 48.8 10 BLI 1005 FRUE CONTRACE SI BLUN 0F 7W 1005 ALW 1005: X04: 50 ALX 1005 48.8 10 BLI 1005 FRUE CONTRACE SI BLUN 0F 7W 1005 ALW 1005 48.8 10 BLI 1005 FRUE CONTRACE SI BLUN FRUE CONTRACE SI BLUN 0F 7W 1005 ALW 1005 48.8 10 BLI 1005 FRUE CONTRACE SI BLUN FRUE CONTRACE SI BLUN 0F 7W 1005 ALW 1005 48.8 10 BLI 1005 FRUE CONTRACE SI BLUN FRUE CONTRACE SI BLUN 0F 7W 1005 ALW 1005 48.8 10 BLI 1005 FRUE CONTRACE SI BLUN FRUE CONTRACE SI BLUN 0F 7W 1005 ALW 1005 48.9 10 ALX 1005 FRUE CONTRACE SI BLUN FRUE CONTRACE SI BLUN 0F 7W 1005 ALW 1005 48.4	BUTYL 60	HNBR 60 GRADE (HIGH TEAR) BLACK	POLYCHLOROPRENE 50 (NON ETU) (C 50)		
BUTN BUTN, BS2D-210 GRUCE B00 HRR TI SEE HRR TI SEE HRR TI SEE BUTN (THUTLER FAVOYTLAND BUTNE MONONER) (REF) HRR TI SEE HRR TI SEE HRR TI SEE BUTN (STULICE FAVOYTLAND BUTNE MONONER) (REF) HRR TI SEE HRR TI SEE HRR TI SEE BUTN (STULICE FAVOYTLAND BUTNE MONONER) (REF) HRR TI SEE FA UNIVAIT HRV (SUBME 6 AN EVER) BUTN (STULICE FAVOYTLAND (STULICE FAVOYTLAND FAVORE STULICE FAVOYTLAND FAVORE STULICE FAVORE FAVORE STULICE FAVORE STULICE FAVORE STULICE FAVORE	BUTYL (BS3227 (B60)(56-65)	HNBR 60 SHORE	POLYCHLOROPRENE 50 RED (PCR 50)		
EPDA (ETHTYLENE PROPYLENE DIANE MONONER) RUBBET HER 10 Paulouskander Sile Paulouskander Sile EPVA 1500E MER 10 MER 10 Paulouskander Sile Pau	CHLORO-BUTYL RUBBER GRADE 60 BLACK TO DEF STAN 93-86	HNBR 60 SHORE	POLYCHLOROPRENE 50 YELLOW		
EPH 2105 LUOK MBR 70 F00 -	BROMO BUTYL BS3227:2003 GRADE B60	HNBR 70 GREEN	POLYCHLOROPRENE 50-55		
EPU 49 SOCE PRE 70 EXEM	EPDM (ETHYLENE PROPYLENE DIENE MONOMER) RUBBEF	HNBR 70 ZSC	POLYCHLOROPRENE 55/60		
BY ANY INC. MEX. TO BLE TA COPULAT POLYCLOSMPECE (NON E.M. S272; C0 BY AN APP MEX. TO BLE TA COPULAT MEX. TO BLE TA COPULAT POLYCLOSMPECE (NON E.M. S272; C0 BY AN APP MEX. TO BLE TA COPULAT MEX. TO BLE TA COPULAT POLYCLOSMPECE (NON E.M. S272; C0 BY AN APP MEX. NO. S. S. G. LS MEX. TO BLE TA COPULATION (NO) MEXAPIBLE (NON COPULATION (NO) BY AN APPE CAN APPEC CA	EPDM 20/25 BLACK	HNBR 70	POLYCHLOROPRENE 60 NE GREY		
EPB N DRP MRX 70 (D/TSR MV ALED) PAUTOLICS/MPE N DRP (N) PAUTOLICS/MPE N DRP (N) EPB N DRDDE MRX 80 (D D) MRX 80 (D D) RESPIRE 40 (D D) RESPIRE 40 (D D) EPD N DRDDE MRX 80 (D D) MRX 80 (D D) RESPIRE 40 (D D) RESPIR	EPDM 40 SHORE	HNBR 70	POLYCHLOROPRENE 60 NE GREY (RAL 7036)		
EPCH NUMBER HNR 80 PRUCHASIONE PRUCHASIONE (PLUCY SPACE EPCH NUMBER HNR 80 HNR 80 KENDE (UNIT) KEN	EPDM 40/45 BLACK	HNBR 70 BLUE FDA COMPLIANT	POLYCHLOROPRENE 60 NON ETU. BS2752 C60		
BON 65/5 BL/CK He88 80,65 S.B.E BON 65/5 BL BON 60/5 BL BON 70 AUX INLINE BON	EPDM 60 GREY	HNBR 70 (BUTSER PAD BLEND)	POLYCHLOROPRENE 70 GREY (NE)		
BP014S[75 SP3 HH8 R0, ALCK S.G. OF 1.25 EEVERE 64 (16 CR, 041) 100 T.P IEVERE 64 (16 CR, 041) 100 T.P BP01 T0 NUME HH8 R0, ALCK S.G. OF 1.25 IEVERE 64 (16 CR, 041) 100 T.P IEVERE 64 (16 CR, 041) 100 T.P BP01 T0 NUME NATURAL RUBBER (NR) IEVERE 60 (16 CR, 041) 100 T.P IEVERE 64 (16 CR, 041) 100 T.P BP01 T0 NUME F10A ANDOLED IK 41 LEAT ALL RUBBER (NR) IEVERE 64 (16 CR, 041) 100 T.P IEVERE 64 (16 CR, 041) 100 T.P BP01 T0 NUME F10A ANDOLED IK 41 LEAT ALL RUBBER (NR) IEVERE 100 ED17585 AUX SEX20 SD IEVER 51 IEVERE 100 ED17585 AUX SEX20 SD IEVER 51 BP01 00 NOTABLE DT SSP1 AUX DD IEVER 54 AUX SEX20 SD IEVER 51 IEVERE 100 ED17585 AUX SEX20 SD IEVER 51 IEVERE 100 ED17585 AUX SEX20 SD IEVER 51 BP01 00 NOTABLE DT SSP1 AUX DD IEVER 54 AUX SEX20 SD IEVER 51 IEVER 100 ED17597 AUX SEX0 SD IEVER 51 IEVER 100 ED17597 AUX SEX0 SD IEVER 51 BP01 00 NOTABLE DT SSP1 AUX SEX0 SD IEVER 51 IEVER 100 IEVER 51 IEVER 100 IEVER 51 IEVER 100 IEVER 51 BP01 00 NOTABLE DEF00 NE READE IEVER 100 IEVER 51 IEVER 100 IEVER 51 IEVER 100 IEVER 51 BP01 00 NOTABLE DEF00 NE READE IEVER 100 IEVER 51 IEVER 100 IEVER 51 IEVER 100 IEVER 51 IEVER 100 IEVER 51 BP01 00 NOTABLE DEF00 NE READE	EPDM 60 PEROXIDE	HNBR 80	POLYCHLOROPRENE YELLOW 55 SHORE		
EPON 19 Secte HILR GACE SU, BLACK HER GACE SU, BLACK HER GACE SU, BLACK EVAN 19 ALAX INSLATTE NATTEAL RUBBER (NR) HEVRISE C.G. (00/F11) HEVRISE C.G. (00/F11) EVAN 19 ALAX INSLATTE HR 30155 BLACK HEVRISE C.G. (00/F11) HEVRISE C.G. (00/F11) EVAN 19 ALAX INSLATTE HR 40160/G HEVRISE C.G. (00/F12) HEVRISE C.G. (00/F12) EVAN 19 ALAX INSLATTE HR 40160/G HEVRISE C.G. (00/F12) HEVRISE C.G. (00/F12) EVAN 19 ALAX INSLATTE HR 40160/G GEPI HEVRISE RUBBER 10 S272 CO BLACK BOR 455 HEVRISE RUBBER 10 S272 CO BLACK BOR 455 EVAN 19 ALAX INSLATTE HEVRISE RUBBER 10 S272 CO BLACK BOR 455 HEVRISE RUBBER 10 S272 CO BLACK BOR 455 EVAN 19 ALAX INSLATTE HEVRISE RUBBER 10 S272 CO BLACK BOR 455 HEVRISE RUBBER 10 S272 CO BLACK BOR 455 EVAN 19 ALAX INSLATTE HEVRISE RUBBER (NR) EVIN 200 HEVRISE RUBBER (NR) EVIN 200 HEVRISE RUBBER (NR) EVIN 200 EVAN 19 ALAX INSLATTE HEVRISE RUBBER (NR) EVIN 200 HEVRISE RUBBER (NR) EVIN 200 HEVRISE RUBBER (NR) EVIN 200 EVAN 19 ALAX INSLATTE HEVRISE RUBBER (NR) 100/F11 UNUBBERS (NR) EVIN 200 HEVRISE RUBBER (NR) 100/F11 UNUBBERS (NR) EVIN 200 EVAN 19 ALAX HEVRISE RUBER (NR) 100/F11 UNU	EPDM 65/75 BLACK	HNBR 80/85 BLUE	NEOPRENE 40 NON-BLOOMING (WITHOUT WAX)		
BPUN 19 KHE HAR GROE 20, BACK HERR GROE 20, BACK HERR BROE 20, BOD 179 BPUN 19 KHD NATURAL RUBBER (NR) HERR BROE CA (DOR 11) HERR BROE CA (DOR 11) BPUN 19 KHD HI 30 JES BACK HERR BROE CA (DOR 11) HERR BROE CA (DOR 11) BPUN 19 KHD HI 30 JES BACK HERR BROE CA (DOR 11) HERR BROE CA (DOR 11) HERR BROE CA (DOR 11) BPUN 19 KHD EN APRODE HI 40 LOF GRE HI 40 LOF GRE HERR BROE CA (DOR 11) HERR BROE CA (DOR 11) BPUN 19 KHD ENDE DDSSYS ADD B HI 40 LOF GRE HI 40 LOF GRE HERR BROE CA (DOR 11) HERR BROE	EPDM 65/75 RED	HNBR 90, BLACK. S.G. OF 1.25	NEOPRENE 40 (NE CR QX40) NON TYP		
99 N1 NLACK USULTIVE NATURAL RUBBER (NP) Image: Second Secon	EPDM 70 SHORE				
BON 7N 420 IR 30(53 LACK IR 30(53 LACK IR 30(53 LACK IR 30(53 LACK IR 30(55 LACK IR 30(57 LACK <td>EPDM 70 BLACK INSULATIVE</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	EPDM 70 BLACK INSULATIVE	· · · · · · · · · · · · · · · · · · ·			
BPDN 7N WHITE FRA. AMPROVED MA 49 BLAX MA 49 BLAX MEXPRISE CAD TO SS272 BLAX MEXPRISE CAD TO SS272 BLAX BPDN 7N WHITE FRA. COMPLIANT MA 49 BLAX MA 49 BLAX MEXPRISE CAD TO SS272 CON BLAX SEC SS272 CON BLAX MEXPRISE CAD TO SS272 CON BLAX SEC SS272 CON SS252 CON	EPDM 70 RED				
EP0H 7D WHITE FRA. CXMPUNIT N4 40 ELX (SATUDI N6 40 ELX (SATUDIX N6 40 ELX (SATUDX N6 40 ELX (SATUDX N6 40 ELX (SATUDX N6 ELX (SATUDX N6 A0 ELX (SATUDX	EPDM 70 WHITE FDA APPROVED				
EPDN 80 MR 40 GECY FQ MR 40 GECY FQ MEDDATE EPDN 80 FEBDATE DTD SS7A GRD 80 MR 40 LISE OFEEN MR 40 LISE OFEEN MEDDATE EPDN 80 FEBDATE DTDSS7A GRD 80 MR 40 LISE OFEEN MR 40 LISE OFEEN MEDDATE DTSS7A GRD 80 MEDDATE DTSS7A GRD 80 EPDN 80 FEBDATE DTDSS7A GRD 80 MR 40 LISE OFEEN MR 40 LISE OFEEN MEDDATE DTSS7A GRD 80 MEDDATE DTSS7A GRD 80 EPDN 80 FEBDATE DTSS7A GRD 80 MR 40 LISE OFEEN MR 40 LISE OFEEN MEDDATE DTSS7A GRD 80 MEDDATE DTSS7A GRD 80 EPDN 80 FEBDATE ADD FEDDATE MR 40 LISE OFEEN MR 40 LISE OFEEN MR 40 LISE OFEEN MEDDATE DTSS7A GRD 80		NR 40 ELONGATION	NEOPRENE NON ETU 76-85 BLACK BS2752 C80		
EP04 80 PROCUEE DTD 5597A GRO 80 IM 44 ILBHT GREEN IM 44 ILBHT GREEN </td <td></td> <td></td> <td></td>					
990 N0 00 RENUE 0155574 GAUGE 01 EUX IR 40 LIGHT GREPH IR 40 LIGHT GREPH IR 40 LIGHT GREPH IR 40 DUIL GREPH IR 50 DUIL CHORDREN ES2752 CON UNDERDER ES752 CON UNDERDER ES 50 CON UNDERDE ES 50 CON UNDERDE ES 50 CON U					
P0H NUSS FUA AQUEUIS IR 40 OULG GEEN IR 40 OULG GEEN IR 40 OULG GEEN IR 40 OULG GEEN IR 50 OULG LANGARGE ESSZS CAR ELON ELU IR 50 OULG LANGARGE ESSZS CAR ELON ELU P0H NUSS FUA AQUEUIS IR 50 SACK POLYURETHAUE SUBARC IR 50 SACK IR 50 SACK POLYURETHAUE SUBARC IR 50 SACK IR 50 SACK POLYURETHAUE SUBARC IR 50 SACK		NR 40 LIGHT GREY			
FUN MIGH F1B EPUN 80 PERVADE IN 40. 85 1154. (2 40) IN 60 PERVADE IN 70 PERVADE	EPDM 80/85 FDA AQUEOUS				
EPDM NUBBER APPROX 20 SHORE, AVEFAGE HARDINESS 22 SHORE) IN S0 (Z 50) IN S0 (Z 50					
FPOM RUBBER GRADE 70 BLACK (WHETE COUNCLE TYPE ' IM R 50 BLACK IM R 50 BLACK POLYURETHANE S0 BLACK POLYUR					
EVON NUBBER INSULATIVE GAORE SO BLACK INR S5. BS1154-2003 Y3 WHTE INR 60 (260) INR 60 (260) POLVIDETANE SO BLACK POLVIDETANE SO BLACK INR 60 (260) INR 60 (260) POLVIDETANE SO BLACK POLVIDETANE SO BLACK INR 70 (ABE LODU) INR 70 (ABE LODU) INR 70 (ABE LODU) POLVIDETANE SO BLACK POLVIDETANE SO BLACK INR 70 (ABE LODU) INR 70 (ABE LODU) POLVIDETANE SO BLACK INR 70 (ABE LODU) INR 70 (ABE LODU) INR 70 (ABE LODU) POLVIDETANE SO BLACK POLVIDETANE SO BLACK INR 70 (ABE LODU) INR 70 (ABE LODU) INR 70 (ABE LODU) POLVIDETANE SO BLACK POLVIDETANE SO BLACK INR 70 (ABE LODU) INR 70 (ABE LODU) POLVIDETANE SO BLACK POLVIDETANE SO BLACK INR 70 (ABE LODU) INR 70 (ABE LODU) INR 70 (ABE LODU) INR 70 (ABE LODU) POLVIDETANE SO BLACK POLVIDETANE SO BLACK INR 70 (ABE LODU) INR 70 (ABE L					
POWNSR & 0 BLACK IR & 60 (260) IR & 70 (460) IR & 70 (4		NR 55. B51154:2003 Y3 WHITE			
FLUOROSSILICONE AND FLUOROELASTOMERS NR 60 (YELOW) I I POLVIAE THANE 75 GREY I		NR 60 (Z60)			
FLUOROSLILCONE LSG3 IN R7 0 (ARE 1070) IN R7 0		· · ·	POLYURETHANE 75 GREY		
HUROROSLICONE AND R 25588 GRADE 70 BLIE/RED INR 70 /FQ (WHITE INR 70 /FG (WHITE INR 70 /F			POLYURETHANE 95		
RLUOROSLICONE 40 BLACK NR 70 GEEY HIGH TEAR/WEAR NERO NR 70 GEY HIGH TEAR/WEAR NERO POLVURETHANE 70 GREEN BR/P/04/08/034 Image: Comparison of the compariso					
RLUOROSILICONE RUBBER ROD 50 GREEN INR 70. B5 1154. (2 70) INR 70. 4/3RHD POLYURETHANE 70 SAID STONE YELLOW RLUOROSILICONE RUBBER TO ANS-R25988 CLASS 1 GRADE 60 TYPE 2 COLOUR BLUE INR 70. 4/3RHD POLYURETHANE 70 SAID STONE YELLOW POLYURETHANE 75 BLACK POLYURETHANE 75 BLACK POLYURETHANE 75 BLACK POLYURETHANE 75 BLACK INR 70. 4/3RHD POLYURETHANE 70 SAID STONE YELLOW POLYURETHANE 70 SAID STONE YELLOW INR 70. 4/3RHD INR 70			POLYURETHANE -70 GREEN BR/FP/04/08/034		
RLUOROSILICONE RUBBER TO AMS-R-25988 CLASS 1 GRADE 60 TYPE 2 CLOUR BLUE INR 70 4/3IRHD IC IC POLYURETHANE 75 BLACK POLYURETHANE 70 UNE TAME 800 RED IC IC <td>FLUOROSILICONE RUBBER GRD 50 GREEN</td> <td></td> <td></td>	FLUOROSILICONE RUBBER GRD 50 GREEN				
RLUOROSILICONE RED INATURAL RUBBER (Z 70) BLACK. INATURAL RUBBER (Z 70) BLACK. POLYURETHAILE 95 BLUE INATURAL RUBBER (R 70) (IRQX 70) TO DEF STAN 93-30 BLACK POLYURETHAILE POLYU 95 PILLAR BOX RED INATURAL RUBBER (IRQX 40) TO DEF STAN 93-30 BLACK POLYURETHAILE POLYU 95 PILLAR BOX RED INATURAL RUBBER (IRQX 40) TO DEF STAN 93-30 BLACK POLYURETHAILE POLYU 95 PILLAR BOX RED INATURAL RUBBER (IRQX 40) TO DEF STAN 93-30 BLACK 36/54 PQ POLYURETHAILE 60 (BLUE) INATURAL RUBBER (IRQX 40) TO DEF STAN 93-30 BLACK IRHD 66-75 POLYURETHAILE 60 (BLUE) INATURAL RUBBER (IRQX 70) TO DEF STAN 93-30 BLACK IRHD 66-75 POLYURETHAILE 60 (BLUE) INATURAL RUBBER (IRQX 70) TO DEF STAN 93-30 BLACK IRHD 66-75 POLYURETHAILE 60 (RULE) INATURAL RUBBER 60 RED. S.G. IS 1.38 POLYURETHAILE 60 (RULE) INATURAL RUBBER 60 RED. S.G. IS 1.38 POLYURETHAILE 60 70/75 BLACK INATURAL RUBBER 60 RED. S.G. IS 1.42 POLYURETHAILE 60 70/75 BLACK. INATURAL RUBBER 60 RED. S.G. IS 1.42 POLYURETHAILE 60 70/75 BLACK. INATURAL RUBBER 60 RED. S.G. IS 1.42 POLYURETHAILE 60 70/75 BLACK. INATURAL RUBBER 60 RED. S.G. IS 1.42 POLYURETHAILE 60 70/75 BLACK. INATURAL RUBBER 60 RED. S.G. IS 1.42 POLYURETHAILE RUB 70/75 BLACK. POLYURETHAILE RUB 70/75 BLACK. POLYURETHAILE RUB 70/75 BLACK. POLYURETHAILE RUB 70/75 BLACK. INATURAL RUBBER 70 DE STAN 93-30 EQUIVALENT GADE QX 40 BLUE POLYURETHAILE RUBBER 90. INATURAL RUBBER 70 DE STAN 93-30 EQUIVALENT GADE QX 40 BLUE POLYU 70 GREEY MOSS <td< td=""><td>FLUOROSILICONE RUBBER TO AMS-R-25988 CLASS 1 GRADE 60 TYPE 2 COLOUR BLUE</td><td></td><td>POLYURETHANE 75 BLACK</td></td<>	FLUOROSILICONE RUBBER TO AMS-R-25988 CLASS 1 GRADE 60 TYPE 2 COLOUR BLUE		POLYURETHANE 75 BLACK		
RLUOROSILICONE (LSG3) BLUE INATURAL RUBBER (NR 70) (NRQX 70) TO DEF STAN 93-30 BLACK POLYURETHANE POLY U 95 PILLAR BOX RED INATURAL RUBBER (NR 70) (NRQX 70) TO DEF STAN 93-30 BLACK PLUOROSILICONE 60, BLACK INATURAL RUBBER (INR 70) (NRQX 70) TO DEF STAN 93-30 BLACK 36/45 HQ POLYURETHANE 60 (BLUE) INATURAL RUBBER (INR 70) (NRQX 70) TO DEF STAN 93-30 BLACK 36/45 HQ POLYURETHANE 60 (BLUE) INATURAL RUBBER (INR 70) (NRQX 70) TO DEF STAN 93-30 BLACK 36/45 HQ POLYURETHANE 70 (GREEN) INATURAL RUBBER (INR 70) (NRQX 70) TO DEF STAN 93-30 BLACK INH D 66-75 POLYURETHANE 70 (GREEN) INATURAL RUBBER 60 RED. S.G. IS 1.38 POLYURETHANE 70 (GREEN) INATURAL RUBBER 60 RED. S.G. IS 1.38 POLYURETHANE GRD 70/75 BLACK INATURAL RUBBER 60 RED. S.G. IS 1.42 POLYURETHANE GRD 70/75 BLACK INATURAL RUBBER 60 WHITE. S.G. IS 1.42 POLYURETHANE NOM HARDNESS 55 SHORE D BLACK (VERY HIGH HARDNESS) RLUOROSILICONE RUBBER, GRADE 80. BLUE NATURAL RUBBER BS1154 Z60 IRHD 56-65 BLACK POLYURETHANE NOM HARDNESS 55 SHORE D BLACK (VERY HIGH HARDNESS) RLUOROSILICONE RUBBER, GRADE 80. BLUE NATURAL RUBBER TO DEF STAN 93-30 EQUIVALENT GRADE QX 40 BLUE POLYURETHANE NOM HARDNESS 55 SHORE D BLACK (VERY HIGH HARDNESS) RLUOROSILICONE 60, BLACK S.G. IS 1.45 NATURAL RUBBER Z00 TO BS1154 Z00 IRHD 56-65 BLACK POLYURETHANE RUBBER 90. INATURAL RUBBER 200 TO BS1154 Z00 IRHD 56-65 BLACK POLYURETHANE RUBBER 90. INATURAL RUBBER 200 TO BS1154 Z00 IRHD 26-65 BLACK POLYURETHANE RUBBER 90. <td></td> <td></td> <td>POLYURETHANE 95 BLUE</td>			POLYURETHANE 95 BLUE		
FLUOROSILICONE 60, BLACK NATURAL RUBBER (NRQX 40) TO DEF STAN 93.30 BLACK 36/45 HQ POLYURETHANE 60 (BLUE) Image: Comparison of the compa			POLYURETHANE POLY U 95 PILLAR BOX RED		
FLUOROSILICONE 60 BLUE NATURAL RUBBER (NRQX 70) TO DEF STAN 93-30 BLACK IRHD 66-75 POLYURETHANE 70 (GREEN) Image: Comparison of the co			POLYURETHANE 60 (BLUE)		
FLUOROSSILICONE RED (LS63 RIO) NATURAL RUBBER 60 RED. S.G. IS 1.38 POLYURETHANE 85, BLACK Image: Comparison of Comparison			POLYURETHANE 70 (GREEN)		
FLUOROSILICONE R 25988 B GRADE 70 (AMS-R-25988) BLUE NATURAL RUBBER 60 WHITE. S.G. IS 1.42 POLYURE THANE GRD 70/75 BLACK. Image: Comparison of the compari			POLYURETHANE 85, BLACK		
FLUOROS LILCONE RUBBER, GRADE 80. BLUE NATURAL RUBBER BS1154 Z60 IRHD 56-65 BLACK Imatural RUBBER BS1154 Z60 IRHD 56-65 BLACK POLYURETHANE NOM HARDNESS SS NORE D BLACK (VERY HIGH HARDNESS) FLUOROS SLICONE 80, WHITE. S.G. IS 1.7 Imatural RUBBER TO DEF STAN 93-30 EQUIVALENT GRADE QX 40 BLUE POLYURETHANE RUBBER 90. Imatural RUBBER 90. Im	, , , , , , , , , , , , , , , , , , ,	NATURAL RUBBER 60 WHITE. S.G. IS 1.42	POLYURETHANE GRD 70/75 BLACK.		
FLUORO-SILICONE 80, WHITE. S.G. IS 1.7 MATURAL RUBBER TO DEF STAN 93-30 EQUIVALENT GRADE QA UBLE POLYURETHAINE RUBBER 90. MATURAL RUBB	· · · · · · · · · · · · · · · · · · ·		POLYURETHANE NOM HARDNESS 55 SHORE D BLACK (VERY HIGH HARDNESS)		
FLUOROSILICONE 60, BLACK. S.G. IS 1.45 INATURAL RUBBER Z40 TO BS 1154 IRHD 3645 BLACK POLYU 70 GREY MOSS Image: Content of the content of th		NATURAL RUBBER TO DEF STAN 93-30 EQUIVALENT GRADE QX 40 BLUE	POLYURETHANE RUBBER 90.		
FLUROSILICONE LS 2860 VAROX TRANS INATURAL RUBBER 290 TO BS1154:2003 POLY-U 70 RED IN RE			POLYU 70 GREY MOSS		
FLUOROSILICONE 40 SHORE, BLACK, HEAT TEMPERED TO 250 DEG NR 75. Image: Contract tempered to 250 DEG NR 80. (Z 80) Image: Contract tempered tempere		NATURAL RUBBER Z90 TO B51154:2003	POLY-U 70 RED		
FLUOROSILICONE (FSE7560-D1) EQUIVALENT TO LSG3U NR 80. (Z 80) NR 80. POLY-U 95 GREY NR 90 (STYRENE RESIN) EQUIVALENT TO BR15 NR 90 (STYRENE RESIN) EQUIVALENT TO BR15 POLY-U 90.			POLY-U 83 GREY		
FLUOROSILICONE (FSE7560-D1) EQUIVALENT TO LS63U NR 85 POLY-U 70 BLUE NR 90 (STYRENE RESIN) EQUIVALENT TO BR15 POLY-U 90.			POLY-U 95 GREY		
NR 90 (STYRENE RESIN) EQUIVALENT TO BR15 POLY-U 90.			POLY-U 70 BLUE		
		NR 90 (STYRENE RESIN) EQUIVALENT TO BR15			
HSN401 GUM STOCK NATURAL RUBBER BLACK PU 60 BLACK			PU 60 BLACK		
NAT/NEO 50-60 PU 70 GREEN			PU 70 GREEN		
Z50 (NR50)					

EPICHLOROHYDRIN RUBBER (HYDRIN)	PCR RUBBER
EPICHLOROHYDRIN 45/55 SHORE	PCR 55 SHORE YELLOW NEO
EPICHLOROHYDRIN 60 CONDUCTIVE	PCR 60/70 IRHD BLACK
EPICHLOROHYDRIN 60 SHORE	PCR 75/80 IRHD
EPICHLOROHYDRIN 55/65 GREY	PCR 78/83 (CONDUCTIVE)
HYDRIN RUBBER 70/75	PCR GOOD FLEX 80 SHORE
HYDRIN RUBBER 85/95	PCR 80 SHORE (CONDUCTIVE)
NITRILE RUBBER (NBR)	PCR 70 BLACK (+GRAPHITE)
NITRILE 40/45 SHORE (GREY FOOD QUALITY)	PCR BS2752:2003 C80 BLACK
NITRILE 60 SHORE (WHITE FOOD QUALITY) NON-STAINING	SILICONE RUBBER (MOULDIN
NITRILE BS2751 BA40 36-45 IRHD	SILICONE 60 BLUE PLATINUM CURED
NITRILE BA60 (NBR60) BS 2751	GREEN SILICONE GRADE 60
NITRILE (BS2751) BA80 76-85 IRHD	SILICONE RUBBER LT50-02 (DCBP, BLACK)
NITRILE 40/45 RED	SILICONE PINK GRADE 50
NITRILE 65/75 BRIGHT RED	SILICONE GRADE 60 BLUE, BR/SL/WS.60.1.B
NITRILE 70 IRHD (LIGHT-GREY)	SILICONE TRANSLUCENT
NITRILE DTD 5595A (GRD-70)	SILICONE RUBBER MOULDING COMPOUND G
NITRILE RUBBER (BS2751 BA60) 56-65 HARDNESS	SILICONE BLUE MOULDING COMPOUND 10 H
NITRILE RUBBER (BS2751 BA70) 66-75 HARDNESS	SILICONE 30/35 BLUE
NITRILE PSLC/6 GRADE.D	SILICONE 35 TRANSLUCENT
NITRILE 70 Shore A	SILICONE 35/40 BLACK
NBR 40/45 RED	SILICONE 40 HIGH TEAR, BLUE
NBR 40/45 (GREY F/Q)	SILICONE 40 HT RED
NBR 50/55 94 A	SILICONE 40 RED OXIDE
NBR 55 DTD 5509/D	SILICONE 40 RED RIO
NBR 55/65 F.Q.WHITE	SILICONE 40 TRANSPARENT
NBR 60 DTD 5594 GR 60	SILICONE 50 BLACK HIGH
NBR 60 DTD 5595 A	SILICONE 50 DTD 5531A. GRADE 50 (WHITE
NBR 60 (FQ) WHITE	SILICONE 50 H.S GREY FR
NBR 70 (BA70) BS 2751:2001 (BA)	SILICONE 50 TRANSLUCENT
NBR 70 BLACK (FQ)	SILICONE 50 TRANSPARENT
NBR 70 DTD 5594A GRADE 70	SILICONE 50 WHITE (DTD 5531)
NBR 75/85 PEROXIDE CURE	SILICONE 50 WHITE FODD QUALITY)
NBR 80	SILICONE 50/55 WHITE TRANSLUCENT
NBR 80/90 (5595A)	SILICONE 50/60 PLATINUM-CURE, RED IRON
NBR 90 (BA 90) NITRILE	SILICONE 50/60 R10 RED
NBR 90 DTD 5594A GRADE 90	SILICONE 60 PLATINUM-CURE (BLUE)
NBR/HNBR 60 (GOOD TEAR)	SILICONE 60 HIGH TEAR (BLACK)
NBR/PVC 45 (BLUE)	SILICONE 60 HIGH TEAR (LIGHT GREY)
NBR/PVC 60 (BLUE)	SILICONE 60 PLATINUM CURE RED
LOW NITRILE (LOW NBR) 60 BLACK	SILICONE 60 RED RIO
LOW NITRILE (LOW NBR) 70	SILICONE 60 RIO. (DTD 5582 A)
	SILICONE 60 TRANSLUCENT HIGH TEAR
	SILICONE 60 WHITE (DTD 5531 A) GRD 60

PCK RUBBER
PCR 55 SHORE YELLOW NEO
PCR 60/70 IRHD BLACK
PCR 75/80 IRHD
PCR 78/83 (CONDUCTIVE)
PCR GOOD FLEX 80 SHORE
PCR 80 SHORE (CONDUCTIVE)
PCR 70 BLACK (+GRAPHITE)
PCR BS2752:2003 C80 BLACK
SILICONE RUBBER (MOULDING GRADES)
SILICONE 60 BLUE PLATINUM CURED
GREEN SILICONE GRADE 60
SILICONE RUBBER LT50-02 (DCBP, BLACK)
SILICONE PINK GRADE 50
SILICONE GRADE 60 BLUE, BR/SL/WS.60.1.BL2
SILICONE TRANSLUCENT
SILICONE RUBBER MOULDING COMPOUND GRD.50 (FOOD-QUALITY)
SILICONE BLUE MOULDING COMPOUND 10 HARD
SILICONE 30/35 BLUE
SILICONE 35 TRANSLUCENT
SILICONE 35/40 BLACK
SILICONE 40 HIGH TEAR, BLUE
SILICONE 40 HT RED
SILICONE 40 RED OXIDE
SILICONE 40 RED RIO
SILICONE 40 TRANSPARENT
SILICONE 50 BLACK HIGH
SILICONE 50 DTD 5531A. GRADE 50 (WHITE)
SILICONE 50 H.S GREY FR
SILICONE 50 TRANSLUCENT
SILICONE 50 TRANSPARENT
SILICONE 50 WHITE (DTD 5531)
SILICONE 50 WHITE FODD QUALITY)
SILICONE 50/55 WHITE TRANSLUCENT
SILICONE 50/60 PLATINUM-CURE, RED IRON OXIDE
SILICONE 50/60 R10 RED
SILICONE 60 PLATINUM-CURE (BLUE)
SILICONE 60 HIGH TEAR (BLACK)
SILICONE 60 HIGH TEAR (LIGHT GREY)
SILICONE 60 PLATINUM CURE RED
SILICONE 60 RED RIO
SILICONE 60 RIO. (DTD 5582 A)
SILICONE 60 TRANSLUCENT HIGH TEAR
SILICONE 60 WHITE (DTD 5531 A) GRD 60
SILICONE 60 YELLOW (HIGH-TEAR)
SILICONE 70 BLUE DTD 5582
SILICONE 70 DRAB OLIVE GREEN
SILICONE 70 DTD 5531 WHITE
SILICONE 70 DTD 5531 WHITE
SILICONE 70 BTD 5551 WHITE SILICONE 70 RED IRON OXIDE DTD 5582A
SILICONE 70 RED INON OXIDE DTD 5382A
SILICONE 80 HIGH TEAR BLACK
SILICONE 80 TRANSPARENT
SILICONE 85 SHORE (BLACK NON-MARKING)
SILICONE (DTD 5531 A) GRD 70
SILICONE (DTD 5582 A) GRD 60
SILICONE GRADE 20 RED
SILICONE GRADE 50 RIO BR/SI/WS.50.1.RIO
SILICONE GRADE 60 DRAK GREY FIRE RETARDANT BR/SI/009
SILICONE GREY 50
SILICONE HIGH TEAR 60 (RED IRON OXIDE) DTD 5615 A
SILICONE RIO 70
SILICONE RUBBER 10 IRHD WHITE
SILICONE RUBBER 20 IRHD BLACK
SILICONE RUBBER 20 IRHD RED OXIDE (HIGH TEMPERATURE)
SILICONE RUBBER GP GRADE 50 BLACK (BR 15)
SILICONE RUBBER HIGH TEAR, TRANS GRADE 60
SILICONE RUBBER OIL RESISTANT DTD 5582 A GRADE 60 BLACK
SILICONE RUBBER PLATINUM CURED GRD 60 BLUE
SILICONE RUBBER, PLATINUM CURE GRADE 40 YELLOW
SILICONE CLEAR 40



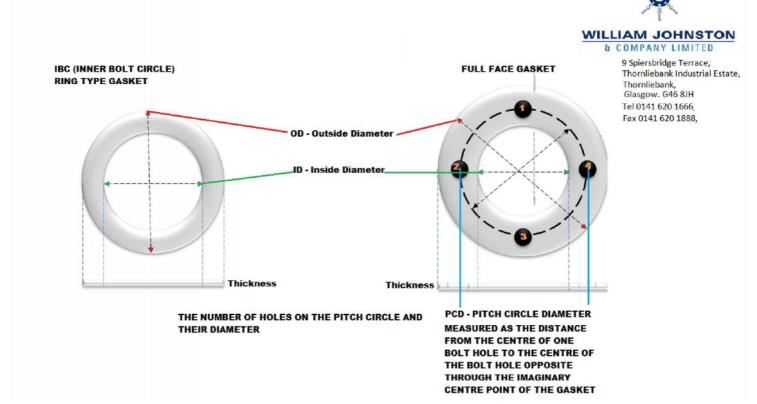
SBR 70 BLACK				
SBR RUBBER GRAD	E 60 BLACK			
SBR/BR 70 ROLLER	1			
FKM, VITON	AND FLU	JOROC	ARBON	RUBBER
FKM GRADE E (DT	D 5543 A) 71-	80 SHORE		
FKM 50. (DTD 561	2 A) GRADE 5	0 SHORE		
FKM 50/55 (BRIGH	T-RED) HEAT	STABILIS	ED RUBBER	
FKM 60 GREEN FLU	JOROCARBON			
FKM 60. DTD 5543	B GRADE 60			
FKM 60. DTD 5612	A GRADE 60			
FKM 70. DTD 5543	B GRADE 70			
FKM 75. AMS-R-83	248C			
FKM 75. DTD 5543	BA GRADE E			
FKM 75. DTD 5612	A GRADE 70	MILL-R-832	248C (AMS	-R-83248C)
FKM 85 IRHD (BRIG	GHT-RED)			
FKM 90 FLUOROCA	RBON RUBBER	2		
FKM GRADE 80 FLU	JOROCARBON	RUBBER		
FKM GLT GRADE				
FLOUREL/FLUORO	CARBON 80 GF	REY		
FLUOROCARBON R	UBBER AMS-R	-83485, G	RADE 70 -	80, BLACK
FLUOROCARBON R	UBBER, GRAD	E 60, COL	OUR GREEP	V
VITON 50 (DTD 5	512 A)			
VITON 50 RED				
VITON 55/65 GRE	EN			
VITON 65/70 GRE	EN			
VITON 70 BLUE				
VITON 70 BROWN				
VITON B 60				
VITON B GRADE70				
VITON DTD 55438				
VITON DTD 5612				
VITON DTD 56124				
VITON E60C - 60/	65 BLACK			
VITON GF 60				
VITON GF 70 BLAC	CK			
VITON GF 70/75				
VITON GF 90				
VITON GF 90 BLAC	CK			
VITON GLT 70				

There are a lot of specification grades comforming to British Standards, American Military Specifications, Defence Standards, commercial and other custom made grades. William Johnston & Company Limited are happy to assist you in selecting the correct grade of elastomer to suit your application and budget. Chemical compatability of elastomers as well as temperature and pressure considerations should be adressed when specifying a long term seal. Please contact our technical team for assistance.

William Johnston & Company Limited offer a conversion and fabrication service. We have multiple machines that rapidly assist us in the precise conversion of material to gasket for almost every engineering sector.

Offering standard pipe flange gaskets in sizes pertinent to British Standards both imperial and metric we use

Tables D	PN 6	ASA 150	JIS 5K
E	10	300	10K
F	16	600	16K
Н	25	900	20K
J	40	1500	30K



NON-STANDARD

Non-standard gaskets can be manufactured using a sample, template, dimensional drawing or file compatible with our CAD system. .dxf is by far the most common.

LARGE DIAMETER

We can manufacture large diameter gaskets using our CAD system that allow finished products to be larger than the sheet from which they were cut.

TOLERANCES

Tolerances on the finished product depend on thickness and type of material, hardness of the elastomer being cut etc. Our dedicated technical team will be happy to assist you in the deisgn, manufacture and ongoing cost reduction methods if required.

STRIP

We offer an inhouse conversion from sheet to specific width (strip) for most elastomers. Please speak to our Commercial Manager who will advise you the most cost effective method of production.

SELF-ADHESIVE BACKING

Various self-adesive backings can be factory applied dependent on the gaskets intended usage. If you are uncertain please contact our technical team for assistance.

CUSTOM GRADES OF RUBBER

If no suitable elastomer exists from our current range then we can create custom elastomers based on your application parameters. Minimum production runs are required and depend on the type of rubber, thickness and colouring required.