



# WILLIAM JOHNSTON & COMPANY LIMITED

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## Black High Temperature Butyl Rubber 65° shore WJ147

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.35 ± 0.05	ASTM D297	1.35 ± 0.05
HARDNESS	DIN 53505	65 ± 5 SH A	ASTM D2240	65 ± 5 SH A
TENSILE STRENGTH (KG/CM2)	DIN 53504	717 PSI	ASTM D412	60 KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	250%	ASTM D412	250%
COMPRESSION SET (70 °C/24 HRS/25% SET) (MAX)	DIN 53517	50%	ASTM D395 METHOD B	40%
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	101 LBS/INCH	ASTM D624	18 KG/CM
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 70 °C)			ASTM D573	
--- HARDNESS (PTS)		+ 5 (MAX)		+ 5 (MAX)
--- TENSILE STRENGTH (%)		+10 / - 10		+10 / - 10
--- ELONGATION AT BREAK (%)		+10 / - 10		+10 / - 10
VOLUME SWELL: AT 70° C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		NOT RECOMMENDED		NOT RECOMMENDED
IRM OIL NO.2		NOT RECOMMENDED		NOT RECOMMENDED
IRM OIL NO.3		NOT RECOMMENDED		NOT RECOMMENDED
POLYMER CONTENT (EPDM)		30%		30%
CHEMICAL RESISTANCE				
--- OZONE		EXCELLENT		EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-40 ° TO +100° C		-40 ° TO +100° C
Colour		BLACK		

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