



**WILLIAM JOHNSTON
& COMPANY LIMITED**

Glasgow Tel: +44 (0) 141 620 1666 | Inverness Tel: +44 (0) 1463 238 673
sales@williamjohnston.co.uk | www.williamjohnston.co.uk



Red Silicone FDA and EU1935 Approved 60° shore WJ14004

FDA 21 CFR No: 177 – 2600 – EU1935/2004 regulations and USP Class V1 Compliant

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.20	DIN 53508	1.20
HARDNESS	ASTM D2240	60 ± 5 SH A	DIN 53505	60 ± 5 SH A
TENSILE STRENGTH (MIN)	ASTM D412	712 PSI	DIN 53504	60 KG/CM ²
ELONGATION AT BREAK (MIN)	ASTM D412	250%	DIN 53504	250%
COMPRESSION SET (70° C/24 HRS/25% SET) (MAX)	ASTM D395 METHOD B	40%	DIN 53517	40%
TEAR RESISTANCE (ANGULAR) MIN	ASTM D624	112 LBS/INCH	DIN 53515	20 KG/CM
POLYMER CONTENT:		100		100
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 100 °C)	ASTM D573			
--- HARDNESS (PTS)		+3 (MAX)		+3 (MAX)
--- TENSILE STRENGTH (%)		+ 5 / - 5		+ 5 / - 5
--- ELONGATION AT BREAK (%)		+ 5 / - 5		+ 5 / - 5
VOLUME SWELL: AT 70° C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		+ 5%		+ 5%
ASTN OIL NO.2		+ 7%		+ 7%
ASTM OIL NO.3		+ 25%		+ 25%
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	EXCELLENT		EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		GOOD		GOOD
---SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-90 ° TO + 200° C		-90 ° TO + 200° C
COLOUR		RED		RED

SR. NO.	NET CHLOROFORM SOLUBLE EXTRACTIVES USING	RESULT	UNIT	LIMITS AS PER STANDARD	TEST METHOD
Total Extractives at Reflux Temperatures for 7 hrs. Using					
1	Distilled Water	2.8	mg/inch ²	20.0	As per USFDA 21.CFR.176.2600
2	n-Hexane	22.4		175.0	
Total Extractives at Reflux Temperatures for 2 hrs. Using					
3	Distilled water	0.8	mg/inch ²	1.0	
4	n-Hexane	0.8		4.0	

Note: Detection Limit for the method is 0.5 mg/inch².

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