



WILLIAM JOHNSTON & COMPANY LIMITED

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White Silicone Non-Toxic Grade General Purpose 40° shore WJ14101

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.2±0.05	ASTM D297	1.2±0.05
HARDNESS	DIN 53505	40 ± 5 SH A	ASTM D2240	40 ± 5 SH A
TENSILE STRENGTH (MIN)	DIN 53504	853 PSI	ASTM D412	60 KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	200%	ASTM D412	200%
COMPRESSION SET (70° C/24 HRS/25% SET) (MAX)	DIN ISO 815-1	40%	ASTM D395 METHOD B	40%
POLYMER CONTENT:				100%
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	112 LBS/INCH	ASTM D624	20 KG/CM
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 100 °C)			ASTM D573	
--- HARDNESS (PTS)		+ 3 (MAX)		+ 3 (MAX)
--- TENSILE STRENGTH (%)		±5		±5
--- ELONGATION AT BREAK (%)		±5		±5
VOLUME SWELL: AT 70° C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		+ 5%		+ 5%
IRM OIL NO.2		+ 7%		+ 7%
IRM OIL NO.3		+ 25%		+ 25%
CHEMICAL RESISTANCE				
--- OZONE		EXCELLENT	ASTM D 1149	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		WHITE		

Failure to select the correct materials or products can result in damage to plant and equipment and personal injury. In specific applications, where critical conditions exist, we suggest you contact us, and we will consider with you the most suitable material or product. However, information supplied by William Johnston & Company Limited is intended only as technical co-operation and as a guide to the various uses of different products. No warranty is given in respect of information or recommendations by William Johnston & Company Limited which are only given for guidance and without any guarantee. The customer must satisfy themselves on the suitability of the material or product for the intended purpose. The correct fitting of products particularly is the responsibility of the customer.