



Technical Specifications

White Silicon Rubber - SI60120FG

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.20±0.05	ASTM D297	1.20±0.05
HARDNESS	DIN 53505	60± 5 Sh A	ASTM D2240	60± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	712 PSI	ASTM D412	80 Kg/cm ²
ELONGATION AT BREAK (min)	DIN 53504	350%	ASTM D412	350%
COMPRESSION SET (150°C/24 HRS 25% COMPRESSION) (max)	DIN 53508	40%	ASTM D395 Method B	40%
TEAR RESISTANCE (angular) min	DIN 53505	112 Lbs/Inch	ASTM D624	20 Kg/cm
CHANGE IN PROPERTIES AFTER HEAT AGEING FOR 72 hrs AT 150°C			ASTM D573	
HARNESS (points)		+ 3 (Max)		+ 3 (Max)
TENSILE STRENGTH %		+ 5/-5		+ 5/-5
ELONGATION AT BREAK %		+ 5/-5		+ 5/-5
VOLUME SWELL AT 150°C FOR 24 hrs			ASTM D471	
IN ASTM OIL No.1				+5%
IN ASTM OIL No.2				+7%
IN ASTM OIL No.3				+25%
CHEMICAL RESISTANCE				
OZONE		EXCELLENT	ASTM D1149	EXCELLENT
DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
CONCENTRATE ACIDS AND BASES		EXCELLENT		EXCELLENT
OILS		GOOD		GOOD
SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-60 to + 250°C		
EC Directive 2001/95/EC	YES			
REACH Regulation (EC) 1907/2006 SVHC	YES			
EC 1935/2004	YES	Must be requested at time of purchase (cost involved)		
FDA 21 CFR177.2600	YES			
Traceability & Certification	YES	Must be requested at time of purchase (cost involved)		
Colour	WHITE			



Better Industrial Ltd Hamilton New Zealand

Ph ++64 7 847 9269 sales@betterindustrial.co.nz www.betterindustrial.co.nz