

Data Sheet: S70 Clear

MATERIAL: SILICONE 70 SHORE

COLOUR: CLEAR (TRANSPARENT)

GENERAL SERVICE TEMPERATURE RANGE: -55°C to 225°C

SPECIFICATION: ASTM D2000 M5GE706A19B37E016EO36

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	73
TENSILE STRENGTH, MPa	6.0	7.7
ELONGATION %	150	28
SPECIFIC GRAVITY		1.277
HEAT AGEING 70 hrs @ 225°C		
HARDNESS CHANGE, POINTS	+10	+4
TENSILE STRENGTH CHANGE %	-25	-5
ELONGATION CHANGE %	-30	-0.3
COMPRESSION SET		
22 hrs @ 175°C %	25	10
FLUID RESISTANCE, NO.1 OIL. 70 hrs @ 150°C		
HARDNESS CHANGE, POINTS	0/-15	-3
TENSILE STRENGTH CHANGE %	-20	-10
ELONGATION CHANGE %	-20	-6
VOLUME CHANGE %	0/+10	+5
FLUID RESISTANCE, NO.3 OIL. 70 hrs @ 150°C		
HARDNESS CHANGE, POINTS	-30	-6
VOLUME CHANGE %	+60	+13
LOW TEMPERATURE RESISTANCE		
-45°C @ 3 Min		NON-BRITTLE

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

Issue Date: 23.01.2014