

Data Sheet: S70 LT

MATERIAL: SILICONE 70 SHORE LOW TEMPERATURE

COLOUR: RED

GENERAL SERVICE TEMPERATURE RANGE: -80°C to 200°C

SPECIFICATION: ASTM D2000-M7GE705 A19 B37 EA14 EO16 EO36

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	75
TENSILE STRENGTH, MPa	5.0	8.2
ELONGATION, %	150	327
SPECIFIC GRAVITY		1.224
HEAT AGEING 70hrs @ 225°C		
HARDNESS CHANGE, POINTS	+10	+3
TENSILE STRENGTH CHANGE %	-25	-23
ELONGATION CHANGE %	-30	-30
COMPRESSION SET		
22hrs @ 175°C %	30	24
FLUID RESISTANCE, NO.1 OIL 70hrs @ 150°C		
HARDNESS CHANGE, POINTS	0/-15	-8
TENSILE STRENGTH CHANGE %	-20	-16
ELONGATION CHANGE %	-20	-8
VOLUME CHANGE %	0/+15	+11
FLUID RESISTANCE, NO.3.OIL 70hrs @ 150°C		
HARDNESS CHANGE, POINTS	-40	-32
VOLUME CHANGE %	+60	+57
LOW TEMPERATURE RESISTANCE TEST		
NON BRITTLE AFTER 3 mins @ -80°C	PASS	PASS

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

Issue Date: 27.05.2015