

Data Sheet: S60 FDA

MATERIAL: SILICONE 60 SHORE FDA (COMPLIANT TO CFR 21 177-2600)

COLOUR: RED

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

SPECIFICATION: ASTM D2000 M5GE606A19B37EA14EO36F1

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	ASTM D2240	60+/-5	59
TENSILE STRENGTH, psi	ASTM D412	870	894
ELONGATION %	ASTM D412	200	319
HEAT AGEING 70 hrs @ 225°C			
HARDNESS CHANGE, POINTS	ASTM D573	+10	+1
TENSILE STRENGTH CHANGE %	ASTM D573	-25	-12.89
ELONGATION CHANGE %	ASTM D573	-30	-12.29
COMPRESSION SET			
22 hrs @ 175°C %	ASTM D395	50	13.09
FLUID RESISTANCE, No.1 Oil, 70 hrs @ 150°C			
HARDNESS CHANGE, POINTS	ASTM D471	0/-15	-1
TENSILE STRENGTH CHANGE %	ASTM D471	-20	+5.68
ELONGATION CHANGE %	ASTM D471	-20	+9.56
VOLUME CHANGE %	ASTM D471	0/+10	+5.17
FLUID RESISTANCE, No.3.OIL, 70 hrs @ 150°C			
HARDNESS CHANGE, POINTS	ASTM D471	-30	-22
TENSILE STRENGTH CHANGE %	ASTM D471		-20.42
ELONGATION CHANGE %	ASTM D471		-20.85
VOLUME CHANGE %	ASTM D471	+60	+41.56
WATER RESISTANCE, 70 hrs @ 100°C			
HARDNESS CHANGE, POINTS	ASTM D471	+/-5	+1
VOLUME CHANGE %	ASTM D471	+/-5	+1.02

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

Issue Date: 21.03.2016