

Data Sheet: F60

MATERIAL: FLUOROSILICONE 60 SHORE

COLOUR: BLUE

GENERAL SERVICE TEMPERATURE RANGE: -60°C to +177°C

SPECIFICATION: THIS COMPOUND MEETS MIL-R-25988

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	60 +/-5	63
TENSILE STRENGTH, MPa	6.20	7.3
ELONGATION, %	175	319
SPECIFIC GRAVITY,		1.388
HEAT AGEING @ 70 hrs @ 200°C		
HARDNESS CHANGE, POINTS	-5/+10	+1
TENSILE STRENGTH CHANGE %	-25	-25
ELONGATION CHANGE %	-25	-15
COMPRESSION SET		
22 hrs @ 175°C %	40	6
FLUID RESISTANCE, NO.1 OIL 70 hrs @ 150°C		
HARDNESS CHANGE, POINTS	-	-2
TENSILE STRENGTH CHANGE %	-	-6
ELONGATION CHANGE %	-	+4
VOLUME CHANGE %	-	+9
FLUID RESISTANCE, NO.3.OIL 70 hrs @150°C		
HARDNESS CHANGE, POINTS	-	-2
TENSILE STRENGTH CHANGE %	-	-26
ELONGATION CHANGE %	-	-6
VOLUME CHANGE %	-	+10

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

Issue Date: 05.04.2012