

Data Sheet: PA70

MATERIAL: POLYACRYLATE 70 SHORE

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -32°C to 149°C

SPECIFICATION: ASTM D2000 M5DF706 A26 B16 EO16 EO36 C12

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	68
TENSILE STRENGTH, psi	870	1347
ELONGATION, %	100	238
SPECIFIC GRAVITY		1.373
HEAT AGEING 70 hrs @ 150°C		
HARDNESS CHANGE, POINTS	+10	+3
TENSILE STRENGTH CHANGE %	-25	-2
ELONGATION CHANGE %	-30	+4
VOLUME CHANGE %		-2.1
COMPRESSION SET		
22 hrs @ 150°C %	80	29
FLUID RESISTANCE, ASTM #1 Oil, 70 hrs @ 150°C		
HARDNESS CHANGE, POINTS	-8/+15	-1
TENSILE STRENGTH CHANGE %	-30	+8
ELONGATION CHANGE %	-50	0
VOLUME CHANGE %	-5/+10	-0.4
FLUID RESISTANCE, No 3 OIL, 70 hrs @ 150°C		
HARDNESS CHANGE, POINTS	-30	-15
TENSILE STRENGTH CHANGE %	-60	-9
ELONGATION CHANGE %	-50	+19
VOLUME CHANGE %	+50	+17.1
RESISITANCE TO OZONE 50pphm, 72 hrs @ 40°C		PASS

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

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