

# Data Sheet: PA60

## MATERIAL: POLYACRYLATE 60 SHORE

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M2DF608 A26 B16 EO16 EO36

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A		60+/-5	64
TENSILE STRENGTH, psi		1160	1638
ELONGATION, %		175	351
SPECIFIC GRAVITY			1.318
<b>HEAT AGEING 70 hrs @ 150°C</b>			
HARDNESS CHANGE, POINTS	ASTM D865	+10	+5
TENSILE STRENGTH CHANGE %	ASTM D865	-25	-1
ELONGATION CHANGE %	ASTM D865	-30	-2
VOLUME CHANGE %	ASTM D865		-2.5
<b>COMPRESSION SET</b>			
22 hrs @ 150°C %	ASTM D395	50	38
<b>FLUID RESISTANCE, ASTM #1 Oil, 70 hrs @ 150°C</b>			
HARDNESS CHANGE, POINTS	ASTM D471	-8/+15	-1
TENSILE STRENGTH CHANGE %	ASTM D471	-20	+4
ELONGATION CHANGE %	ASTM D471	-30	-8
VOLUME CHANGE %	ASTM D471	-5/+10	-1.6
<b>FLUID RESISTANCE, No 3 OIL, 70 hrs @ 150°C</b>			
HARDNESS CHANGE, POINTS	ASTM D471	-30	-10
TENSILE STRENGTH CHANGE %	ASTM D471	-60	-9
ELONGATION CHANGE %	ASTM D471	-40	+20
VOLUME CHANGE %	ASTM D471	+50	+10.9

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

Issue Date: 21.11.2012