

Data Sheet: NP50

MATERIAL: NEOPRENE 50 SHORE

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to 121°C

SPECIFICATION: ASTM M6BG910 A14 B14 EO14 EO34

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	50+/-5	52
TENSILE STRENGTH, MPa	10	14.1
ELONGATION %	350	403
SPECIFIC GRAVITY		1.355
HEAT AGEING 70 hrs @ 100°C		
HARDNESS CHANGE, POINTS	+15	+3
TENSILE STRENGTH CHANGE %	-15	0
ELONGATION CHANGE %	-40	-6
COMPRESSION SET		
22 hrs @ 100°C %	35	34
FLUID RESISTANCE, NO.1 OIL 70 hrs @ 100°C		
HARDNESS CHANGE, POINTS	+/-10	-2
TENSILE STRENGTH CHANGE %	-30	+14
ELONGATION CHANGE %	-30	-16
VOLUME CHANGE %	-10/+15	-6
FLUID RESISTANCE, NO.3.OIL, 70 hrs @ 100°C		
TENSILE STRENGTH CHANGE %	-70	-60
ELONGATION CHANGE %	-55	-23
VOLUME CHANGE %	+120	+48

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

Issue Date: 01.10.2014