

Data Sheet: N80

MATERIAL: NITRILE 80 SHORE

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -35°C to 110°C

SPECIFICATION: D2000 M6BG810 A14 B14 EO14 EO34 F16

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	80+/-5	77
TENSILE STRENGTH, MPa	10	14.6
ELONGATION, %	125	422
SPECIFIC GRAVITY		1.26
HEAT AGEING 70hrs @ 100°C		
HARDNESS CHANGE, POINTS	+15	+7
TENSILE STRENGTH CHANGE %	-20	+3
ELONGATION CHANGE %	-40	-14
COMPRESSION SET		
22hrs @ 100°C %	25	17
FLUID RESISTANCE, NO.1 OIL. 70hrs @ 100°C		
HARDNESS CHANGE, POINTS	-5/+10	+1
TENSILE STRENGTH CHANGE %	-25	+10
ELONGATION CHANGE %	-45	-13
VOLUME CHANG, %	-10/+5	+1
FLUID RESISTANCE, IRM 903 OIL. 70hrs @100°C		
HARDNESS CHANGE, POINTS	-20/0	-12
TENSILE STRENGTH CHANGE %	-45	-12
ELONGATION CHANGE %	-45	-11
VOLUME CHANGE %	0/+35	+19
LOW TEMPERATURE BRITTLENESS		
3 MIN @ -35 C		NON BRITTLE

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

Issue Date: 26.01.2012