



P O L Y M A X L T D
 Building 90, SEME, Budds Lane
 Bordon, Hampshire, GU35 0JE, UK
 Tel: + 44 (0) 1420 474123
 Fax: + 44 (0) 1420 487816
 E-mail: sales@polymax.co.uk
 Web: www.polymax.co.uk

Polymax Nitrile 90sh

ORIGINAL PHYSICAL PROPERTIES	SPEC	N90
HARDNESS, SHORE A PTS	90 +/- 5	89
ULTIMATE TENSILE STRENGTH, PSI	1450 MIN	1785
ULTIMATE ELONGATION, %	250 MIN	276
MODULUS @ 100%	----	
997		
HEAT RESISTANCE (ASTM D 573)		
70 HRS @ 100 C		
CHANGE IN HARDNESS, PTS	+15 MAX	+9
CHANGE IN TENSILE, %	-20 MAX	-15
CHANGE IN ELONGATION, %	-40 MAX	-17
COMPRESSION SET (ASTM D 395B)		
22HRS @ 100C		
% SET	25 MAX	13
WATER RESISTANCE (ASTM D 471)		
70 HRS @ 100 C		
CHANGE IN HARDNESS, PTS	+/- 10 MAX	+4
CHANGE IN VOLUME, %	+/- 15 MAX	+3
FUEL RESISTANCE (ASTM D 471)		
70 HRS @ 23 C IN FUEL A		
CHANGE IN HARDNESS, PTS	+/-10 MAX	-2
CHANGE IN TENSILE, %	-25 MAX	-10
CHANGE IN ELONGATION, %	-25 MAX	-5
CHANGE IN VOLUME, %	-5 TO +10	+2
FUEL RESISTANCE (ASTM D 471)		
70 HRS @ 23 C IN FUEL B		
CHANGE IN HARDNESS, PTS	+/- 10 MAX	-8
CHANGE IN TENSILE, %	-75 MAX	-42
CHANGE IN ELONGATION, %	-75 MAX	-27
CHANGE IN VOLUME, %	+50 MAX	+24

OIL RESISTANCE (ASTM D 471)		
70 HRS IN OIL #1 @ 150 C		
CHANGE IN HARDNESS, PTS	-5 TO +10	+3
CHANGE IN TENSILE, %	-25 MAX	-5
CHANGE IN ELONGATION, %	-45 MAX	-4
CHANGE IN VOLUME, %	-10 TO +5	-6

OIL RESISTANCE (ASTM D 471)		
70 HRS IN OIL # IRM903 @ 150 C		
CHANGE IN HARDNESS, PTS	0 TO -20	-6
CHANGE IN TENSILE, %	-45 MAX	-7
CHANGE IN ELONGATION, %	-45 MAX	-6
CHANGE IN VOLUME, %	0 TO +35	+11

LOW TEMP BRITTLENESS (ASTM D 2137)		
NONBRITTLE AFTER 3 MIN @ -40 C	PASS	PASS

COLOR	REPORT	BLACK
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