



MATERIAL DATA SHEET

Material ref: N2579

Description: 70 duro nitrile/HIGH TEMP, LOW COMPRESSION SET

Typical Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
Hardness	ASTM D2240	Shore A	70+/-5	73
Tensile Strength	ASTM D412	N/mm2	>15	16.5
Ult. Elongation	ASTM D412	%	>/=240	260
Specific Gravity	ASTM D1817	G/cm3	1.23+/--.03	1.237
Tear Resistance	ASTM D624	N/mm		18
Compression Set				
70 HRS @ 125c	ASTM 395B	%		18
Compression Set				
70HRS @ 150c	ASTM 395B	%		44
Air Aging				
70HRS @ 125C	ASTM D573			
Hardness Change		Shore A		+6
Tensile Change		%		-19
Elong. Change		%		-29
Vol. Change		%	0 to -5	Nil
Oil Aging				
ASTM 1 Oil	ASTM D471			
70HRS @ 125C				
Hardness Change		Shore A		+4
Tensile Change		%		-25
Elong. Change		%		-49
Vol. Change		%		-2
Oil Aging				
ASTM 3 Oil	ASTM D471			
70 hrs @ 125C				
Hardness Change		Shore A		-9
Tensile Change		%		-3
Elong. Change		%		-16
Vol. Change		%		+14
Immersion Testing				
H2O	ASTM D471			
70 hrs @ 100C				
Hardness Change		Shore A		-3
Tensile Change		%		0
Elong. Change		%		-15
Vol. Change		%		+5.2
Operating Range				
Degrees F				
CONTINUOUS				220 TO 230

INTERMITTENT

270 TO 284