

P70 65270

Polyurethane 70 Durometer

MATERIAL DATA SHEET

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>65270</u>
HARDNESS, SHORE A PTS	70 +/- 5	73
ULTIMATE TENSILE STRENGTH, PSI	3500 MIN	5987
ULTIMATE ELONGATION, %	350 MIN	664
MODULUS @ 100%, PSI	-----	871
MODULUS @ 300%, PSI	-----	993
<u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 100 C</u>		
CHANGE IN HARDNESS, PTS	+15 MAX	-1
CHANGE IN TENSILE, %	-20 MAX	-6
CHANGE IN ELONGATION, %	-40 MAX	-5
<u>COMPRESSION SET (ASTM D 395B)</u>		
<u>70 HRS @ 70 C</u>		
% SET	35 MAX	18
<u>COMPRESSION SET (ASTM D395B)</u>		
<u>70 HRS @ 100 C</u>		
% SET	65 MAX	58
<u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ 100 C IN ASTM #1</u>		
CHANGE IN HARDNESS, PTS	-5 TO +15	-4
CHANGE IN TENSILE, %	-25 MAX	-16
CHANGE IN ELONGATION, %	-45 MAX	-8
CHANGE IN VOLUME, %	-10 TO +5	-1
<u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ 100 C IN IRM # 903</u>		
CHANGE IN HARDNESS, PTS	0 TO -15	-5
CHANGE IN TENSILE, %	-45 MAX	-17
CHANGE IN ELONGATION, %	-45 MAX	-8
CHANGE IN VOLUME, %	0 TO +35	+5

WATER RESISTANCE (ASTM D 471)

70 HRS @ 100 C

CHANGE IN DURO, PTS	+/- 10	-3
CHANGE IN TENSILE, %	-50 MAX	-36
CHANGE IN ELONGATION, %	-50 MAX	-1
CHANGE IN VOLUME, %	0 TO +25	+5

FUEL RESISTANCE (ASTM D 471)

70 HRS @ R.T. IN UNLEADED GASOLINE

CHANGE IN HARDNESS, PTS	+/- 10	-7
CHANGE IN TENSILE, %	-60 MAX	-30
CHANGE IN ELONGATION, %	-60 MAX	-1
CHANGE IN VOLUME, %	0 TO +40	+10

TEAR, DIE C (ASTM D 624)

PLI	400 MIN	580
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SPECIFIC GRAVITY (ASTM D 297)

S.G.	REPORT	1.15
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