



MATERIAL DATA SHEET

Material ref: C3389

Description: 70 duro neoprene

- Spec. ASTM D2000 M3BC714 A14 B14 C12 EO14 EO34 F17

**** The above test results are based on test slabs or test buttons; not on actual parts.**

	Required	Result	Method
Original Properties			
Z1=Hardness: Shore A durometer	70+/- 5	70	ASTM D2240
Tensile strength, min, psi	2031	2055	ASTM D412
Ultimate elongation, min. %	300	310	ASTM D412
Specific Gravity		1.414	ASTM D297
A14 Heat resistance, 70 h at 100°C			
Change in hardness change, max, points	+/-15	+7	ASTM D573
Change in tensile strength, max, %	-15	-10	
Change in ultimate elongation, max, %	-40	-30	
B14 COMPRESSION SET: 22 HOURS AT 100 °C, DEFLECTION, % MAX			
	35	33	ASTM D395
C12 Ozone Resistance, 50 pphm 70 hrs at 40 °C			
	No Crack	Pass	ASTM D1171
EO14 Fluid resistance, No. 1 Oil, 70 h at 100°C			
Change in hardness change, max, points	+/-10	-5	ASTM D471
Change in tensile strength, max, %	-30	-19	
Change in ultimate elongation, max, %	-30	-27	
Change in volume, %	-10 to +15	+8	
EO34 Fluid resistance, IRM 903 Oil, 70 h at 100°C			
Change in hardness change, max, points		-27	ASTM D471
Change in tensile strength, max, %	-60	-50	
Change in ultimate elongation, max, %	-50	-46	
Change in volume, %	+100	+66	
F17 Low Temperature Brittleness, Method A 9.3.2, No Brittle after 3 min. @ -40,			
	Nonbrittle	Pass	ASTM D2137

*ALL TESTS ARE CARRIED OUT ON ASTM TEST SLABS AND BUTTONS
NOT ACTUAL PARTS*