



Formula ID 1718 Compound XP-6188-C_0.59 Cure: P Color: NB
Urethane Type: Polyether

Application: 50 Shore A Millathane® 26 Sponge - Non-black 0.59 Density

Millathane® 26	100.00	Durometer, Shore A	50	
Stearic Acid	0.30	Durometer, Shore D		
Ultrasil VN3	10.00	Durometer, Asker C	63	
Nucap 100G	10.00	25% Modulus, psi		MPa
DBEEA (TP-95)	5.00	50% Modulus, psi		MPa
AC617A Polyethylene	2.00	100% Modulus, psi	145	1.0 MPa
SR 231 (DEGDMA)	10.00	200% Modulus, psi	165	1.1 MPa
SR 350 (TMPTMA/TRIM)	2.00	300% Modulus, psi	210	1.4 MPa
Titanium Dioxide	1.00	Tensile Strength, psi	350	2.4 MPa
Ultramarine Blue	0.50	Elongation, %	495	
DiCup 40C	4.50	Tear Die C, lb/in.	78	13.7 kN/m
Expancel 930DU120	5.00	Tear Die B, lb/in.		kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	0.590	
		CureTime, minutes	13	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C		
		Heat Aging <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		Fluid Aging <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		Volume Change, %		
		Surface Resistivity, ohm/cm ²	5.0E+11	
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		

Total 150.30

Brittle Point, °C	<input type="text"/>
TR10, °C (ASTM D1329)	<input type="text"/>
Bashore Resilience, %	46
DIN Abrasion, mm ³ loss	200

Compression Set 22h/70°C, %	<input type="text"/>
Compression Set 70h/70°C, %	<input type="text"/>
Compression Set 22h/100°C, %	<input type="text"/>
Compression Set 70h/100°C, %	<input type="text"/>
Compression Set 22h/125°C, %	<input type="text"/>
Compression Set 22h/150°C, %	<input type="text"/>
Compression Set, Other conditions:	<input type="text"/>
72 h/ 23 °C, %	20.0

Other Tests and Info: Physical properties were from tests on 0.5" (1.2 mm) thick specimens. Samples prepared by molding rubber approximately 0.34 in. thick in a 0.50 in. height mold. Lower and higher densities have been made with thinner and thicker mold preforms. Compression set sample was compressed 50%. Mechanical loss factor: 0.16.

10/1/2020

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