



Formula ID 2710 Compound XP8094-S Cure: P Color: NB  
Urethane Type: Polyether

Application: 52 Shore A, Non-filled, Peroxide Cured Millathane 55 Compound

Millathane® 55	100.00	Durometer, Shore A	52	
Stearic Acid	0.30	Durometer, Shore D		
Irganox 1010	1.00	Durometer, Asker C		
DiCup 40C	2.00	25% Modulus, psi		MPa
SR350	1.00	50% Modulus, psi		MPa
		100% Modulus, psi	151	1.0 MPa
		200% Modulus, psi	207	1.4 MPa
		300% Modulus, psi	301	2.1 MPa
		Tensile Strength, psi	1116	7.7 MPa
		Elongation, %	420	
		Tear Die C, lb/in.	58	10.2 kN/m
		Tear Die B, lb/in.		kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc		
		CureTime, minutes		
		Cure Temp°F		°C
		Mooney Viscosity, ML4/100°C		
		<b>Heat Aging</b> <input type="text" value="70"/> Hrs at <input type="text" value="100"/> °C		
		Hardness Change, pts.	-2	
		Tensile Change, %	43	
		Elongation Change, %	9	
		<b>Fluid Aging</b> <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		Volume Change, %		
		Surface Resistivity, ohm/cm <sup>2</sup>		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
		Total	104.30	
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	44			
DIN Abrasion, mm <sup>3</sup> loss	106			
Compression Set 22h/70°C, %				
Compression Set 70h/70°C, %				
Compression Set 22h/100°C, %	38			
Compression Set 70h/100°C, %				
Compression Set 22h/125°C, %				
Compression Set 22h/150°C, %				
Compression Set, Other conditions:				
	<input type="text"/> h/ <input type="text"/> °C, %			

Other Tests and Info:

10/1/2020

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