



Formula ID 2258 Compound XP-8262-E Cure: I Color: NB  
Urethane Type: Polyether

Application: 98 Shore A (65 Shore D), Isocyanate-Cured, Millathane® 55 Compound

Millathane® 55	100.00	Durometer, Shore A	98	
Stearic Acid	0.50	Durometer, Shore D	65	
Thanecure® T9SF	60.00	Durometer, Asker C		
Alcan HQEE96*	30.00	25% Modulus, psi		MPa
Bismate	0.15	50% Modulus, psi		MPa
		100% Modulus, psi	2400	16.6 MPa
		200% Modulus, psi	2440	16.8 MPa
		300% Modulus, psi	2570	17.7 MPa
		Tensile Strength, psi	3260	22.5 MPa
		Elongation, %	465	
		Tear Die C, lb/in.	737	129.0 kN/m
		Tear Die B, lb/in.	988	172.9 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.170	
		CureTime, minutes	20	
		Cure Temp°F	266	130 °C
		Mooney Viscosity, ML4/100°C		
		<b>Heat Aging</b> <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		<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>	5.0E+12	
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
		Total	190.65	
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	63			
DIN Abrasion, mm <sup>3</sup> loss	85			
Compression Set 22h/70°C, %				
Compression Set 70h/70°C, %				
Compression Set 22h/100°C, %				
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: Note: compound has very short shelf life (1 day); compound should be cured the same day or next day. \*Alchem HQEE-96 (Safic-Alcan) is finely ground HQEE, and it should be (vacuum) dried and sieved (200 Mesh) for best dispersion and properties in low viscosity compounds.

10/1/2020

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