



Formula ID 1423 Compound XP-5172-B Cure: P Color: B
Urethane Type: Polyether

Application: 65 Shore A Black , Peroxide Cured, Millathane® E40 Compound

Millathane® E40	100.00	Durometer, Shore A	65	
Stearic Acid	0.20	Durometer, Shore D		
N330 Black	25.00	Durometer, Asker C		
DBEEA (TP-95)	4.00	25% Modulus, psi		MPa
Struktol WB-222	1.00	50% Modulus, psi		MPa
DiCup 40C	3.00	100% Modulus, psi	446	3.1 MPa
		200% Modulus, psi	1379	9.5 MPa
		300% Modulus, psi		MPa
		Tensile Strength, psi	2146	14.8 MPa
		Elongation, %	267	
		Tear Die C, lb/in.	122	21.4 kN/m
		Tear Die B, lb/in.	136	23.8 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.140	
		CureTime, minutes	8	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	58	
		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		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
		Total	133.20	
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	44			
DIN Abrasion, mm ³ loss	81			
Compression Set 22h/70°C, %	15			
Compression Set 70h/70°C, %				
Compression Set 22h/100°C, %	26			
Compression Set 70h/100°C, %				
Compression Set 22h/125°C, %				
Compression Set 22h/150°C, %				
Compression Set, Other conditions:				
	22 h/ 22 °C, %	10.8		

Other Tests and Info:

MDR at 160°C: t90 = 7.6 minutes

10/1/2020

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