



Formula ID 1676 Compound XP-5798-F Cure: P Color: B  
Urethane Type: Polyether

Application: 72 Shore A, Black Millathane® 97 Molding Compound

Millathane® 97	100.00	Durometer, Shore A	72	
Stearic Acid	0.25	Durometer, Shore D		
N330 Black	20.00	Durometer, Asker C		
Ultrasil VN3	20.00	25% Modulus, psi		MPa
Silquest A-172	0.40	50% Modulus, psi		MPa
DBEEA (TP-95)	5.00	100% Modulus, psi	335	2.3 MPa
Struktol WB-222	0.50	200% Modulus, psi	735	5.1 MPa
Irganox 1010	0.25	300% Modulus, psi	1280	8.8 MPa
SR 231 (DEGDMA)	3.00	Tensile Strength, psi	2890	19.9 MPa
SR 350 (TMPTMA/TRIM)	2.00	Elongation, %	550	
DiCup 40C	1.50	Tear Die C, lb/in.	191	33.4 kN/m
		Tear Die B, lb/in.	325	56.9 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.170	
		CureTime, minutes	7	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	53	
		<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/cm²		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
Total	152.90			
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	48			
DIN Abrasion, mm³ loss	91			
Compression Set 22h/70°C, %	23			
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, % <input type="text"/>				

Other Tests and Info:

MDR at 160°C: t90=7.0 min.

10/1/2020

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