

Formula ID 1682 Compound XP-5774-A Cure: S Color: B
 Urethane Type: Polyether
 Application: 70 Shore A Black, Sulfur Cured, Millathane® E40 Molding Compound

Millathane® E40	100.00	Durometer, Shore A	70	
Zinc Stearate	0.50	Durometer, Shore D		
N330 Black	20.00	Durometer, Asker C		
N550 Black	10.00	25% Modulus, psi		MPa
DBEEA (TP-95)	7.00	50% Modulus, psi		MPa
Struktol WB-222	1.00	100% Modulus, psi	475	3.3 MPa
AC617A Polyethylene	1.00	200% Modulus, psi	1040	7.2 MPa
MBTS	4.00	300% Modulus, psi	1610	11.1 MPa
MBT	2.00	Tensile Strength, psi	3590	24.8 MPa
Thanecure® ZM	1.50	Elongation, %	535	
Sulfur	1.50	Tear Die C, lb/in.	225	39.4 kN/m
		Tear Die B, lb/in.		kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.160	
		CureTime, minutes	6	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	44	
		Heat Aging		
		Hrs at		°C
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		Fluid Aging		
		Humidity, 80% Relative Humidity		
		Hrs at		°C
		Hardness Change, pts.	4	
		Tensile Change, %	-30	
		Elongation Change, %	-50	
		Volume Change, %		
		Surface Resistivity, ohm/cm ²		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
		h/ °C,%		
Total	148.50			
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	45			
DIN Abrasion, mm ³ loss	90			
Compression Set 22h/70°C, %	33			
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:				
	h/ °C,%			

Other Tests and Info: MDR at 160°C: t90=6.0 min. 1224 hours is 51 days (7 weeks, 2 days)

10/1/2020

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