



Formula ID 1577 Compound XP-5358-A Cure: S Color: B
Urethane Type: Polyether

Application: 55 Shore A ,Black,Sulfur Cured,Millathane® E40 Molding Compound

Millathane® E40	100.00	Durometer, Shore A	55	
Zinc Stearate	0.50	Durometer, Shore D		
N550 Black	20.00	Durometer, Asker C		
Cumar P-10	10.00	25% Modulus, psi		MPa
DBEEA (TP-95)	5.00	50% Modulus, psi		MPa
AC617A Polyethylene	1.00	100% Modulus, psi	220	1.5 MPa
Struktol WB-222	0.50	200% Modulus, psi	440	3.0 MPa
MBTS	4.00	300% Modulus, psi	780	5.4 MPa
MBT	2.00	Tensile Strength, psi	3890	26.8 MPa
Thanecure® ZM	1.00	Elongation, %	645	
Sulfur	1.50	Tear Die C, lb/in.	166	29.1 kN/m
		Tear Die B, lb/in.	249	43.6 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.130	
		CureTime, minutes	6	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	39	

Total 145.50

Brittle Point, °C	
TR10, °C (ASTM D1329)	
Bashore Resilience, %	42
DIN Abrasion, mm ³ loss	94

Compression Set 22h/70°C, %	42
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, %	

Heat Aging Hrs at °C

Hardness Change, pts.	
Tensile Change, %	
Elongation Change, %	

Fluid Aging Hrs at °C

Hardness Change, pts.	
Tensile Change, %	
Elongation Change, %	
Volume Change, %	
Surface Resistivity, ohm/cm ²	
Volume Resistivity, ohm-cm	
UL 94 Rating:	

Other Tests and Info: t90 at: 160C: 5.5, 155C: 9.2, 150C: 12.8, 138C (280F): 29.4