



Formula ID 1623 Compound XP-5346-B Cure: S Color: NB  
Urethane Type: Polyether

Application: 67 Shore A, Non-Black, Sulfur Cured, Millathane® E40 Shoe Sole

Millathane® E40	100.00	Durometer, Shore A	67	
Zinc Stearate	0.50	Durometer, Shore D		
Ultrasil VN3	30.00	Durometer, Asker C		
Si 69	1.00	25% Modulus, psi		MPa
DBEEA (TP-95)	5.00	50% Modulus, psi		MPa
Titanium Dioxide	0.50	100% Modulus, psi	356	2.5 MPa
Carbowax 3350	1.50	200% Modulus, psi	692	4.8 MPa
AC617A Polyethylene	1.00	300% Modulus, psi	1158	8.0 MPa
Struktol WB-222	1.00	Tensile Strength, psi	3475	24.0 MPa
MBTS	4.00	Elongation, %	548	
MBT	2.00	Tear Die C, lb/in.	197	34.5 kN/m
Thanecure® ZM	1.50	Tear Die B, lb/in.	346	60.6 kN/m
Sulfur	2.00	Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc		
		CureTime, minutes	11	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	68	
<b>Total</b>	<b>150.00</b>	<b>Heat Aging</b> <input type="text"/> Hrs at <input type="text"/> °C		
Brittle Point, °C		Hardness Change, pts.		
TR10, °C (ASTM D1329)		Tensile Change, %		
Bashore Resilience, %	38	Elongation Change, %		
DIN Abrasion, mm <sup>3</sup> loss	65	<b>Fluid Aging</b> <input type="text"/> Hrs at <input type="text"/> °C		
Compression Set 22h/70°C, %	75	Hardness Change, pts.		
Compression Set 70h/70°C, %		Tensile Change, %		
Compression Set 22h/100°C, %		Elongation Change, %		
Compression Set 70h/100°C, %		Volume Change, %		
Compression Set 22h/125°C, %		Surface Resistivity, ohm/cm <sup>2</sup>		
Compression Set 22h/150°C, %		Volume Resistivity, ohm-cm		
Compression Set, Other conditions:		UL 94 Rating:		
<input type="text"/> h/ <input type="text"/> °C, % <input type="text"/>				

Other Tests and Info:

Mooney Scorch at 125°C: t5=17.4 min. MDR at 160°C: ML=2.3 lb-in, t90=11.2

10/1/2020

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