



Formula ID 150 Compound E34-241 Cure: S Color: NB  
 Urethane Type: Polyether  
 Application: 43 Shore A, Non-Black/Green, Sulfur Cured, Millathane® E34 Roll Compound

Millathane® E34	100.00	Durometer, Shore A	43	
Zinc Stearate	0.50	Durometer, Shore D		
Polyfil HG90	5.00	Durometer, Asker C		
Cumar P-10	10.00	25% Modulus, psi		MPa
DBEEA (TP-95)	10.00	50% Modulus, psi		MPa
Akrofax 11LG	5.00	100% Modulus, psi	158	1.1 MPa
Green Oxide	2.00	200% Modulus, psi	299	2.1 MPa
Titanium Dioxide	0.10	300% Modulus, psi	507	3.5 MPa
MBTS	4.00	Tensile Strength, psi	2926	20.2 MPa
MBT	2.00	Elongation, %	695	
Thanecure® ZM	1.00	Tear Die C, lb/in.	179	31.3 kN/m
Sulfur	1.50	Tear Die B, lb/in.		kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc		
		CureTime, minutes	10	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C		
		<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/cm <sup>2</sup>		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
<b>Total</b>	<b>141.10</b>			
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %				
DIN Abrasion, mm <sup>3</sup> loss				
Compression Set 22h/70°C, %				
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: Should have good Coefficient of Friction properties. Compound will be low in viscosity; Millathane CM can replace some or all of Millathane E34 to get higher viscosity and green strength.