



**TSE Industries, Inc.**

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Formula ID 537 Compound M66-99 Cure: P Color: B  
Urethane Type: Polyester

Application: 65 Shore A Static Conductive Millathane® 66 Compound

Millathane® 66*	100.00	Durometer, Shore A	65	
Stearic Acid	0.25	Durometer, Shore D		
Struktol WB-222	0.50	Durometer, Asker C		
XC-72 black	27.00	25% Modulus, psi		MPa
DBEEA (TP-95)	10.00	50% Modulus, psi		MPa
Millstab P*	1.50	100% Modulus, psi	476	3.3 MPa
Varox DBPH-50	4.00	200% Modulus, psi	1289	8.9 MPa
TAC	1.50	300% Modulus, psi	2108	14.5 MPa
		Tensile Strength, psi	3487	24.0 MPa
		Elongation, %	454	
		Tear Die C, lb/in.		kN/m
		Tear Die B, lb/in.		kN/m
		Specific Gravity, g/cc		
		CureTime, minutes	10	
		Cure Temp°F	330	166 °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>	5.0E+06	
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
	Total		144.75	
Brittle Point, °C	<input type="text"/>			
TR10, °C (ASTM D1329)	<input type="text"/>			
Bashore Resilience, %	<input type="text"/>			
DIN Abrasion, mm <sup>3</sup> loss	<input type="text"/>			
Compression Set 22h/70°C, %	<input type="text"/>			
Compression Set 70h/70°C, %	<input type="text"/>			
Compression Set 22h/100°C, %	<input type="text"/>			
Compression Set 70h/100°C, %	<input type="text"/>			
Compression Set 22h/125°C, %	<input type="text"/>			
Compression Set 22h/150°C, %	<input type="text"/>			
Compression Set, Other conditions:	<input type="text"/>			
	<input type="text"/> h/ <input type="text"/> °C, %			

Other Tests and Info:

\*Millathane 66 Premilled, at 101.5 parts, can replace the Millathane 66 (Virgin) and Millstab P, as it contains 1.5 phr of Millstab P, a hydrolysis stabilizer. Additional Millstab P (or Stabaxol P) can be added for increased protection against hydrolysis.