



TSE Industries, Inc.

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Formula ID 1578 Compound XP-5756-B Cure: P Color: B
Urethane Type: Polyester

Application: 80 Shore A Black Anti-Static Millathane® 66 Compound

Millathane® 66 Premilled	101.50	Durometer, Shore A	80	
Stearic Acid	0.20	Durometer, Shore D		
N330 Black	40.00	Durometer, Asker C		
DBEEA (TP-95)	5.00	25% Modulus, psi		MPa
Struktol WB-222	1.00	50% Modulus, psi		MPa
AC617A Polyethylene	1.00	100% Modulus, psi	830	5.7 MPa
SR 517	10.00	200% Modulus, psi	1980	13.7 MPa
SR 231 (DEGDMA)	5.00	300% Modulus, psi	3080	21.2 MPa
Varox DBPH-50	6.00	Tensile Strength, psi	3430	23.7 MPa
		Elongation, %	353	
		Tear Die C, lb/in.	209	36.6 kN/m
		Tear Die B, lb/in.		kN/m
		Specific Gravity, g/cc	1.260	
		CureTime, minutes	8	
		Cure Temp°F	338	170 °C
		Mooney Viscosity, ML4/100°C	33	
		Heat Aging <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		Fluid Aging <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		Volume Change, %		
		Surface Resistivity, ohm/cm ²	5.0E+08	
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
	Total		169.70	
Brittle Point, °C	<input type="text"/>			
TR10, °C (ASTM D1329)	<input type="text"/>			
Bashore Resilience, %	40			
DIN Abrasion, mm ³ loss	72			
Compression Set 22h/70°C, %	9			
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: Resistivity tester only measures powers of 10, so the "5.0" of the surface resistivity is estimated. SR-517 is a scorch-retarded trifunctional methacrylate from Sartomer