



TSE Industries, Inc.

4370 112th Terrace North
Clearwater, FL 33762 (USA)
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Formula ID 1683 Compound XP-6122-D Cure: P Color: NB

Urethane Type: Polyether

Application: 84 Shore A Non-Black Millathane® 26 Molding Compound - FDA Compliant*

Millathane® 26	100.00	Durometer, Shore A	84	
Stearic Acid	0.30	Durometer, Shore D		
Hi-Sil 233**	75.00	Durometer, Asker C		
DBEEA (TP-95)	2.00	25% Modulus, psi		MPa
Struktol WB-222	1.00	50% Modulus, psi		MPa
Carbowax 3350	2.00	100% Modulus, psi	400	2.8 MPa
AC617A Polyethylene	2.00	200% Modulus, psi	740	5.1 MPa
DiCup 40C	5.00	300% Modulus, psi	1140	7.9 MPa
		Tensile Strength, psi	1670	11.5 MPa
		Elongation,%	450	
		Tear Die C, lb/in.	246	43.1 kN/m
		Tear Die B, lb/in.	377	66.0 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.310	
		CureTime, minutes	10	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	200	
		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		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
Total	187.30			
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	40			
DIN Abrasion, mm ³ loss	160			
Compression Set 22h/70°C, %	72			
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,%			

Other Tests and Info: Compound is VERY high in viscosity. *Compound contains ingredients compliant with 21CFR177.2600 to the best of our knowledge at the time of this document's creation. **Note: compound as mixed and tested used Ultrasil VN3 which is NOT FDA-compliant; HiSil 233 should give roughly similar properties.

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