



TSE Industries, Inc.

4370 112th Terrace North
Clearwater, FL 33762 (USA)
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Formula ID 1686 Compound XP-6122-K Cure: P Color: NB
Urethane Type: Polyether Blend
Application: 67 Shore A Non-Black Millathane® 26 Molding Compound - FDA Compliant*

Millathane® 26	90.00	Durometer, Shore A	67	
Pliolite S6B	10.00	Durometer, Shore D		
Stearic Acid	0.24	Durometer, Asker C		
Hi-Sil 233**	25.00	25% Modulus, psi		MPa
DBEEA (TP-95)	2.00	50% Modulus, psi		MPa
Struktol WB-222	1.00	100% Modulus, psi	250	1.7 MPa
AC617A Polyethylene	2.00	200% Modulus, psi	420	2.9 MPa
DiCup 40C	5.00	300% Modulus, psi	655	4.5 MPa
		Tensile Strength, psi	2920	20.1 MPa
		Elongation,%	635	
		Tear Die C, lb/in.	182	31.9 kN/m
		Tear Die B, lb/in.	307	53.7 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.160	
		CureTime, minutes	8	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	57	
		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		135.24	
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	47			
DIN Abrasion, mm ³ loss	91			
Compression Set 22h/70°C, %	38			
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 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. Pliolite S6B, a high styrene resin, needs to be fluxed into the Millathane 26, preferably in an internal mixer at temps of 200+F (92C+)

The recommendations for the use of our products are based on tests believed to be reliable. However, we do not guarantee the results to be obtained by others under different conditions nor do we guarantee that this or other formulas will work in a specific application. Nothing in this literature is intended as a recommendation to use our products so as to infringe on any patent. Millstab™ is a trademark, and Millathane® and Thanecure® are registered trademarks of TSE Industries, Inc. All other brand names and product names referenced are trademarks, registered trademarks or trade names of their respective holders.



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