



**TSE Industries, Inc.**

4370 112th Terrace North  
Clearwater, FL 33762 (USA)  
727-573-7676 or 800-237-7634 www.tse-industries.com

Formula ID 813 Compound XP-3464-E Cure: P Color: NB  
Urethane Type: Polyether

Application: 52 Shore A Non-Black Millathane® 26 Compound - FDA Compliant\*

Millathane® 26	100.00	Durometer, Shore A	52	
Stearic Acid	0.50	Durometer, Shore D		
Hi-Sil 243LD	4.00	Durometer, Asker C		
Struktol WB-222	0.50	25% Modulus, psi		MPa
DiCup 40C	4.00	50% Modulus, psi		MPa
		100% Modulus, psi	125	0.9 MPa
		200% Modulus, psi	165	1.1 MPa
		300% Modulus, psi	210	1.4 MPa
		Tensile Strength, psi	1740	12.0 MPa
		Elongation,%	640	
		Tear Die C, lb/in.	82	14.4 kN/m
		Tear Die B, lb/in.		kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.070	
		CureTime, minutes	15	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	33	
	Total	109.00		
		<b>Heat Aging</b>	<input type="text"/> Hrs at <input type="text"/> °C	
Brittle Point, °C	<input type="text"/>	Hardness Change, pts.	<input type="text"/>	
TR10, °C (ASTM D1329)	<input type="text"/>	Tensile Change, %	<input type="text"/>	
Bashore Resilience, %	57	Elongation Change, %	<input type="text"/>	
DIN Abrasion, mm <sup>3</sup> loss	<input type="text"/>	<b>Fluid Aging</b>	<input type="text"/> Hrs at <input type="text"/> °C	
Compression Set 22h/70°C, %	31	Hardness Change, pts.	<input type="text"/>	
Compression Set 70h/70°C, %	<input type="text"/>	Tensile Change, %	<input type="text"/>	
Compression Set 22h/100°C, %	<input type="text"/>	Elongation Change, %	<input type="text"/>	
Compression Set 70h/100°C, %	<input type="text"/>	Volume Change, %	<input type="text"/>	
Compression Set 22h/125°C, %	<input type="text"/>	Surface Resistivity, ohm/cm <sup>2</sup>	<input type="text"/>	
Compression Set 22h/150°C, %	<input type="text"/>	Volume Resistivity, ohm-cm	<input type="text"/>	
Compression Set, Other conditions:	<input type="text"/>	UL 94 Rating:	<input type="text"/>	
	<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 this document was prepared. MDR at 160°C: ML=0.7 lb-in, MH=5.3 lb-in, ts1=3.0', t50=6.2', t90=15.3'

2/3/2015

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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