



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	Heat Aging <input type="text"/> Hrs at <input type="text"/> °C	
Brittle Point, °C			Hardness Change, pts. <input type="text"/>	
TR10, °C (ASTM D1329)			Tensile Change, % <input type="text"/>	
Bashore Resilience, %	57		Elongation Change, % <input type="text"/>	
DIN Abrasion, mm ³ loss			Fluid Aging	
			<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, %			Tensile Change, % <input type="text"/>	
Compression Set 22h/100°C, %			Elongation Change, % <input type="text"/>	
Compression Set 70h/100°C, %			Volume Change, % <input type="text"/>	
Compression Set 22h/125°C, %			Surface Resistivity, ohm/cm ² <input type="text"/>	
Compression Set 22h/150°C, %			Volume Resistivity, ohm-cm <input type="text"/>	
Compression Set, Other conditions:			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'. The addition of Irganox 1076 (0.25-1.0 phr) will improve heat aging characteristics significantly and reduce 'sticky' mold flash.

10/1/2020

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