



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	

Total 187.30

Heat Aging Hrs at °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, %	40	Elongation Change, %	<input type="text"/>

DIN Abrasion, mm³ loss 160

Fluid Aging

Hrs at °C

Compression Set 22h/70°C, %	72	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 ²	<input type="text"/>
Compression Set 22h/150°C, %	<input type="text"/>	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, %	<input type="text"/>		

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. Hi-Sil 233**

10/1/2020

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