



Formula ID 952 Compound XP-4666-A Cure: P Color: NB
Urethane Type: Polyester

Application: 53 Shore A, White Millathane® 5004** Molding Compound

Millathane® 5004**	100.00	Durometer, Shore A	53	
Stearic Acid	0.30	Durometer, Shore D		
Hi-Sil 243LD	13.00	Durometer, Asker C		
DBEEA (TP-95)	15.00	25% Modulus, psi		MPa
Millstab P**	2.00	50% Modulus, psi		MPa
Silquest A-172	0.30	100% Modulus, psi	195	1.3 MPa
Struktol WB-222	1.00	200% Modulus, psi	357	2.5 MPa
Titanium Dioxide	1.00	300% Modulus, psi	602	4.2 MPa
SR 231 (DEGDMA)	2.00	Tensile Strength, psi	2895	20.0 MPa
DiCup 40C	5.00	Elongation, %	618	
		Tear Die C, lb/in.	169	29.6 kN/m
		Tear Die B, lb/in.		kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.190	
		CureTime, minutes	13	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	37	
	Total		139.60	
Brittle Point, °C		Heat Aging	<input type="text"/> Hrs at	<input type="text"/> °C
TR10, °C (ASTM D1329)		Hardness Change, pts.	<input type="text"/>	<input type="text"/>
Bashore Resilience, %	49	Tensile Change, %	<input type="text"/>	<input type="text"/>
DIN Abrasion, mm ³ loss	73	Elongation Change, %	<input type="text"/>	<input type="text"/>
		Fluid Aging	<input type="text"/> Hrs at	<input type="text"/> °C
Compression Set 22h/70°C, %	15	Hardness Change, pts.	<input type="text"/>	<input type="text"/>
Compression Set 70h/70°C, %	<input type="text"/>	Tensile Change, %	<input type="text"/>	<input type="text"/>
Compression Set 22h/100°C, %	<input type="text"/>	Elongation Change, %	<input type="text"/>	<input type="text"/>
Compression Set 70h/100°C, %	<input type="text"/>	Volume Change, %	<input type="text"/>	<input type="text"/>
Compression Set 22h/125°C, %	<input type="text"/>	Surface Resistivity, ohm/cm ²	<input type="text"/>	<input type="text"/>
Compression Set 22h/150°C, %	<input type="text"/>	Volume Resistivity, ohm-cm	<input type="text"/>	<input type="text"/>
Compression Set, Other conditions:		UL 94 Rating:	<input type="text"/>	<input type="text"/>
<input type="text"/> h/ <input type="text"/> °C, %				

Other Tests and Info: **Millathane 5004 Premilled can be used in place of the Millathane 5004 (Virgin) and Millstab P. Ultrasil VN3 can be used in place of HiSil 243LD (and may give better properties).

10/1/2020

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