



Formula ID 1704 Compound XP-6126-A Cure: P Color: NB
Urethane Type: Polyester

Application: 94 Shore A, Non-Black, Millathane® 66/66R Molding Compound

Millathane® 66/66R**	100.00	Durometer, Shore A	94	
Stearic Acid	0.20	Durometer, Shore D		
Millstab P**	1.50	Durometer, Asker C		
Ultrasil VN3	35.00	25% Modulus, psi		MPa
Silquest A-172	0.70	50% Modulus, psi	875	6.0 MPa
DBEEA (TP-95)	2.00	100% Modulus, psi	1390	9.6 MPa
Struktol WB-222	0.50	200% Modulus, psi	2520	17.4 MPa
AC617A Polyethylene	1.00	300% Modulus, psi		MPa
SR 231 (DEGDMA)	8.00	Tensile Strength, psi	3300	22.8 MPa
SR 350 (TMPTMA/TRIM)	8.00	Elongation, %	260	
DiCup 40C	8.00	Tear Die C, lb/in.	237	41.5 kN/m
		Tear Die B, lb/in.	471	82.4 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.300	
		CureTime, minutes	9	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	38	
		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		164.90	
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	40			
DIN Abrasion, mm ³ loss	107			
Compression Set 22h/70°C, %	12			
Compression Set 70h/70°C, %	13			
Compression Set 22h/100°C, %	16			
Compression Set 70h/100°C, %				
Compression Set 22h/125°C, %	30			
Compression Set 22h/150°C, %				
Compression Set, Other conditions:				
	70 h/125 °C,%		71.0	

Other Tests and Info: Properties tested at 100°C, 125°C and 150°C are available. **Millathane 66 PREMILLED, at 101.5 phr, can replace the Millathane 66 and Millstab P (it contains 1.5 phr of Millstab P).

10/1/2020

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