

Formula ID 709 Compound XP-3448-A2 Cure: P Color: NB  
Urethane Type: Polyether

Application: 91 Shore A, Clear Millathane® 97 Compound

Millathane® 97	100.00	Durometer, Shore A	91	
Stearic Acid	0.50	Durometer, Shore D		
Wacker HDK-N20 fumed silica	45.00	Durometer, Asker C		
Silquest A-172	2.00	25% Modulus, psi		MPa
DBEEA (TP-95)	2.00	50% Modulus, psi		MPa
Carbowax 3350	2.50	100% Modulus, psi	940	6.5 MPa
AC617A Polyethylene	2.00	200% Modulus, psi	1742	12.0 MPa
Irganox 1010	0.25	300% Modulus, psi	2875	19.8 MPa
SR 350 (TMPTMA/TRIM)	20.00	Tensile Strength, psi	3067	21.2 MPa
DiCup R	1.00	Elongation, %	316	
		Tear Die C, lb/in.	201	35.2 kN/m
		Tear Die B, lb/in.		kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.190	
		CureTime, minutes	5	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	146	
		<b>Heat Aging</b> <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		<b>Fluid Aging</b> <input type="text"/> Hrs at <input type="text"/> °C		
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		
		Volume Change, %		
		Surface Resistivity, ohm/cm <sup>2</sup>		
		Volume Resistivity, ohm-cm		
		UL 94 Rating:		
		Total	175.25	
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	50			
DIN Abrasion, mm <sup>3</sup> loss				
Compression Set 22h/70°C, %	35			
Compression Set 70h/70°C, %				
Compression Set 22h/100°C, %				
Compression Set 70h/100°C, %				
Compression Set 22h/125°C, %				
Compression Set 22h/150°C, %				
Compression Set, Other conditions:				
	<input type="text"/> h/ <input type="text"/> °C, % <input type="text"/>			

Other Tests and Info: Compression set buttons cured 10/160C.

10/1/2020

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