



Formula ID 965 Compound XP-4676-D Cure: S Color: NB
Urethane Type: Polyether

Application: 74 Shore A, Non-Black, Sulfur Cured, Millathane® E34 Compound

Millathane® E34	100.00	Durometer, Shore A	74	
Zinc Stearate	0.50	Durometer, Shore D		
Ultrasil VN3	35.00	Durometer, Asker C		
DBEEA (TP-95)	2.00	25% Modulus, psi		MPa
Si 69	1.00	50% Modulus, psi		MPa
Struktol WB-222	1.00	100% Modulus, psi	410	2.8 MPa
MBTS	4.00	200% Modulus, psi	840	5.8 MPa
MBT	2.00	300% Modulus, psi	1480	10.2 MPa
Thanecure® ZM	1.00	Tensile Strength, psi	4060	28.0 MPa
Sulfur	2.00	Elongation, %	540	
		Tear Die C, lb/in.	317	55.5 kN/m
		Tear Die B, lb/in.	419	73.3 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.166	
		CureTime, minutes	18	
		Cure Temp°F	311	155 °C
		Mooney Viscosity, ML4/100°C	82	
		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	148.50	
Brittle Point, °C				
TR10, °C (ASTM D1329)				
Bashore Resilience, %	45			
DIN Abrasion, mm ³ loss	54			
Compression Set 22h/70°C, %	63			
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:				
	72 h/ 23 °C, %	19.0		

Other Tests and Info: Set was tested on 1/2" thick buttons cured t90+5 minutes. Set on samples cured t90+10 minutes:
22h/70C=63%, 72h/23C=17%