



Formula ID 1731 Compound XP-6612-H Cure: S Color: NB

Urethane Type: Polyether

Application: 61 Shore A, Non-Black, Sulfur Cured, Millathane® E34 Shoe Compound

Millathane® E34	100.00	Durometer, Shore A	61	
Zinc Stearate	0.50	Durometer, Shore D		
Ultrasil VN3	27.00	Durometer, Asker C		
DBEEA (TP-95)	2.00	25% Modulus, psi		MPa
Silquest A189	1.00	50% Modulus, psi		MPa
Stearic Acid	0.50	100% Modulus, psi	275	1.9 MPa
Carbowax 3350	1.00	200% Modulus, psi	560	3.9 MPa
MBTS	4.00	300% Modulus, psi	1010	7.0 MPa
MBT	2.00	Tensile Strength, psi	3540	24.4 MPa
Thanecure® ZM	1.00	Elongation, %	575	
Methyl Zimate (ZDMC)	0.50	Tear Die C, lb/in.	204	35.7 kN/m
Sulfur	2.00	Tear Die B, lb/in.	354	62.0 kN/m
Silchem DF55-1000 (silicone)	2.00	Tear Die T, lb/in.		kN/m
Total	143.50	Specific Gravity, g/cc	1.150	
Brittle Point, °C		CureTime, minutes	8	
TR10, °C (ASTM D1329)		Cure Temp°F	320	160 °C
Bashore Resilience, %		Mooney Viscosity, ML4/100°C		
DIN Abrasion, mm³ loss	45	Heat Aging	[] Hrs at [] °C	
		Hardness Change, pts.		
		Tensile Change, %		
		Elongation Change, %		

Fluid Aging	[] Hrs at [] °C	Hardness Change, pts.	
		Tensile Change, %	
		Elongation Change, %	
		Volume Change, %	
Compression Set 22h/70°C, %		Surface Resistivity, ohm/cm²	
Compression Set 70h/70°C, %		Volume Resistivity, ohm-cm	
Compression Set 22h/100°C, %		UL 94 Rating:	
Compression Set 70h/100°C, %			
Compression Set 22h/125°C, %			
Compression Set 22h/150°C, %			
Compression Set, Other conditions:	[] h/ [] °C, % []		

Other Tests and Info: Coefficient of friction to Pergo flooring: 3.2/1.6 Wet/Dry. Silchem DF55-1000 is 1000 cs dimethylpolysiloxane, from Akrochem/Silchem

10/1/2020

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