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Formula ID 154 Compound E34-245 Cure: P Color: NB

Urethane Type: Polyether

Application: 89 Shore A,Gray/Black, Peroxide Cured, Millathane® E34 Roller Compound

Millathane® E34	100.00	Durometer, Shore A	89		
Stearic Acid	0.50	Durometer, Shore D			
Polyfil HG90	80.00	Durometer, Asker C			
Silquest A-172	0.80	25% Modulus, psi			MPa
N220 Black	2.00	50% Modulus, psi			MPa
AC617A Polyethylene	3.00	100% Modulus, psi			MPa
Struktol WB-222	1.00	200% Modulus, psi			MPa
SR 350 (TMPTMA/TRIM)	12.50	300% Modulus, psi			MPa
Varox DBPH-50	2.50	Tensile Strength, psi	2881	19.9	MPa
		Elongation,%	179		
		Tear Die C, lb/in.	210	36.8	kN/m
		Tear Die B, lb/in.			kN/m
		Tear Die T, lb/in.			kN/m
		Specific Gravity, g/cc			
		CureTime, minutes	8		
		Cure Temp°F	320	160	°C
		Mooney Viscosity, ML4/100°C			
Total	202.30	**Heat Aging** Hrs at °C			
Brittle Point, °C		Hardness Change, pts.			
TR10, °C (ASTM D1329)		Tensile Change, %			
Bashore Resilience, %		Elongation Change, %			
DIN Abrasion, mm³ loss		**Fluid Aging** Hrs at °C			
Compression Set 22h/70°C, %		Hardness Change, pts.			
Compression Set 70h/70°C, %		Tensile Change, %			
Compression Set 22h/100°C, %		Elongation Change, %			
Compression Set 70h/100°C, %		Volume Change, %			
Compression Set 22h/125°C, %		Surface Resistivity, ohm/cm²			
Compression Set 22h/150°C, %		Volume Resistivity, ohm-cm			
Compression Set, Other conditions: h/ ºC,%		UL 94 Rating:			

Other Tests and Info: Roller steam wrap cure. N220 is for color only and can be eliminated to make a non-black compound. Polyfil HG90 is a water washed kaolin clay from KaMin Performance Minerals

10/1/2020

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