

Formula ID 1668 Compound XP-6134-A Cure: P Color: B

Urethane Type: Polyester

Application: 63 Shore A, Black, Millathane® 66/66R Diaphragm-ASTM D2000 M*BG628A14B14EO34

Millathane® 66/66R Premilled	101.50	Durometer, Shore A	64	
Stearic Acid	0.20	Durometer, Shore D		
N550 Black	15.00	Durometer, Asker C		
N330 Black	5.00	25% Modulus, psi		MPa
SR 231 (DEGDMA)	2.00	50% Modulus, psi 100% Modulus, psi	325	MPa 2.2 MPa
,		200% Modulus, psi	735	2.2 MPa 5.1 MPa
Struktol WB-222	1.00	300% Modulus, psi	1530	10.6 MPa
Millstab(tm) P	0.50	Tensile Strength, psi	4385	30.2 MPa
DiCup 40C	6.00	Elongation,%	545	00.21VII u
		Tear Die C, lb/in.	193	33.8 kN/m
		Tear Die B, lb/in.	329	57.6 kN/m
		Tear Die T, lb/in.		kN/m
		Specific Gravity, g/cc	1.240	
		CureTime, minutes	14	
		Cure Temp°F	320	160 °C
		Mooney Viscosity, ML4/100°C	48	
Total	131.20	Heat Aging 70 Hrs at 100	°C	
Brittle Point, °C		Hardness Change, pts.	3	
TR10, °C (ASTM D1329)		Tensile Change, %	-7	
Bashore Resilience, %	56	Elongation Change, %	-4	
DIN Abrasion, mm³ loss	80	Fluid Aging Oil, IRM 903		
,	70 Hrs at 100		°C	
Compression Set 22h/70°C, %	7	Hardness Change, pts.	-4	
Compression Set 70h/70°C, %		Tensile Change, %	-14	
Compression Set 22h/100°C, %	10	Elongation Change, %	-7	
Compression Set 70h/100°C, %		Volume Change, %	3.1	
Compression Set 22h/125°C, %		Surface Resistivity, ohm/cm²		
Compression Set 22h/150°C, %		Volume Resistivity, ohm-cm		
Compression Set, Other conditions: UL 94 Rating:				
h/ °C,%				

Other Tests and Info:

MDR at 160°D: t90=13.6 min. *Compound meets the requirements of ASTM D2000 M2, M3, M4, M5, M6, and M7 BG628 A14 B14 EO34 (except Grade 3 EO34 spec; requires volume change of +16 to +35%). This compound would very probably also meet C12, EO14, F16 and F17 requirements. Millstab P is equivalent to Stabaxol P.