

Formula ID	1685 Compound X	P-6122-J	Cure:	Р	Color:	NB	
					Urethane Type:	Polyeth	er Blend
Application: 66 Shore A Non-Black Millathane® 26 Compound - FDA Compliant*							
			Durometer, Shore A Durometer, Shore D Durometer, Asker C 25% Modulus, psi 50% Modulus, psi 100% Modulus, psi 200% Modulus, psi 300% Modulus, psi Tensile Strength, psi Elongation,% Tear Die C, Ib/in.			65	
Pliolite S6B		5.00					
Stearic Acid		0.27					MPa
Hi-Sil 233**		25.00					MPa
DBEEA (TP-95)		2.00				200	1.4 MPa
Struktol WB-222		1.00				320	2.2 MPa
AC617A Polyethylene		2.00				510	3.5 MPa
DiCup 40C		5.00					20.3 MPa
		0.00				660	
						163 297	28.5 kN/m
				Tear Die B, lb/in. Tear Die T, lb/in.			52.0 kN/m kN/m
			,				KIN/III
			Specific Gravity, g/cc		g/cc	1.160	
			CureTime, minutes Cure Temp°F Mooney Viscosity, ML4/100°C			8	
						320	160 °C
						62	
	Total	135.27	Heat Aging	g	Hrs at	°C	
Brittle Point, °C			Hardness Change, pts. Tensile Change, %				
TR10, °C (ASTM D1329)							
Bashore Resilience, %		51	Elongation Change, %				
DIN Abrasion, mm <sup>3</sup> loss		90	Fluid Aging				
					Hrs at	°C	
Compression Set 22h/70°C, %		36	Hardness Change, pts.				
Compression Set 70h/70°C, %			Tensile Change, % Elongation Change, % Volume Change, %				
Compression Set 22h/100°C, %							
Compression Set 70h/100°C, %							
Compression Set 22h/125°C, %			Surface Resistivity, ohm/cm <sup>2</sup>				
Compression Set 22h/150°C, % Compression Set, Other conditions:		<u>.</u>	Volume Resistivity, ohm-cm UL 94 Rating:				
Compressio		ng.					
Other Tests	h/ °C,% *Compound contains ingre	dients comp	liant with 21CFR	177.26	600 to the best of our	knowledge a	t the time of
and Info:	this document's creation. **Note: compound as mixed and tested used Ultrasil VN3 which is NOT FDA-						
	compliant; HiSil 233 should give roughly similar properties. Pliolite S6B, a high styrene resin, needs to be fluxed into the Millathane 26, preferably in an internal mixer at temps of 200+F (92C+)						

## 10/1/2020

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