TSE Industries, Inc.
4370 112th Terrace North
Clearwater, FL 33762 (USA)
727-573-7676 or 800-237-7634 www.tse-industries.com

Formula ID 1718 Compound XP-6188-C_0.5 Cure: P Color: NB

Urethane Type: Polyether

Application: Millathane® 26 Sponge - Non-black_0.59 Density

Millathane® 26	100.00
Stearic Acid	0.30
Ultrasil VN3	10.00
Nucap 100G	10.00
DBEEA (TP-95)	5.00
AC617A Polyethylene	2.00
SR 231 (DEGDMA)	10.00
SR 350 (TMPTMA/TRIM)	2.00
Titanium Dioxide	1.00
Ultramarine Blue	0.50
DiCup 40C	4.50
Expancel 930DU120	5.00
Total	150.30

Brittle Point, °C	
TR10, °C (ASTM D1329)	
Bashore Resilience, %	46
DIN Abrasion, mm³ loss	200
Compression Set 22h/70°C, %	
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:	
h/ ºC,%	

Durometer, Shore A	50	
Durometer, Shore D		
25% Modulus, psi		MPa
50% Modulus, psi		MPa
100% Modulus, psi	145	1.0 MPa
200% Modulus, psi	165	1.1 MPa
300% Modulus, psi	210	1.4 MPa
Tensile Strength, psi	350	2.4 MPa
Elongation,%	495	
Tear Die C, lb/in.	78	13.7 kN/m
Tear Die B, lb/in.		kN/m
Specific Gravity, g/cc	0.590	
CureTime, minutes	13	
Cure Temp°F	320	160 °C
Mooney Viscosity, ML4/100°C		

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, %	
Surface Resistivity, ohm/cm²	
Volume Resistivity, ohm-cm	
UL 94 Rating:	

Other Tests and Info: Asker C hardness = 63; physical properties were from tests on 0.5" (1.2 mm) thick specimens. Samples prepared by molding rubber approximately 0.34 in. thick in a 0.50 in. height mold. Lower and higher densities have been made with thinner and thicker mold preforms. Compound is NOT FDA compliant.

3/24/2010

The recommendations for the use of our products are based on tests believed to be reliable. However, we do not guarantee the results to be obtained by others under different conditions. Nothing in this literature is intended as a recommendation to use our products so as to infringe on any patent. MIllstab™ is a trademark, and Millathane® and Thanecure® are registered trademarks of TSE Industries, Inc.

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Formula ID 1738 Compound XP-6188-C_0.7 Cure: P Color: NB

Urethane Type: Polyether

Application: Millathane® 26 Sponge - Non-black_0.73 Density

Millathane® 26	100.00
Stearic Acid	0.30
Ultrasil VN3	10.00
Nucap 100G	10.00
DBEEA (TP-95)	5.00
AC617A Polyethylene	2.00
SR 231 (DEGDMA)	10.00
SR 350 (TMPTMA/TRIM)	2.00
Titanium Dioxide	1.00
Ultramarine Blue	0.50
DiCup 40C	4.50
Expancel 930DU120	5.00
Total	150.30

Brittle Point, °C	
TR10, °C (ASTM D1329)	
Bashore Resilience, %	47
DIN Abrasion, mm³ loss	77
Compression Set 22h/70°C, %	
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: h/ ºC,%	

Durometer, Shore A	55		
Durometer, Shore D			
25% Modulus, psi			MPa
50% Modulus, psi			MPa
100% Modulus, psi	420	2.9	MPa
200% Modulus, psi	565	3.9	MPa
300% Modulus, psi	885	6.1	MPa
Tensile Strength, psi	1580	10.9	MPa
Elongation,%	470		
Tear Die C, lb/in.	98	17.2	kN/m
Tear Die B, lb/in.			kN/m
Specific Gravity, g/cc	0.730		
CureTime, minutes	13		
Cure Temp°F	320	160	°C
Mooney Viscosity, ML4/100°C			

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, %	
Surface Resistivity, ohm/cm²	
Volume Resistivity, ohm-cm	
UL 94 Rating:	

Other Tests and Info: Asker C hardness = 72. Lower and higher densities and hardnesses can/have been made with thinner and thicker mold preforms. Compound is NOT FDA compliant.

3/24/2010

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