



Formula ID 1685 Compound XP-6122-J Cure: P Color: NB  
 Urethane Type: Polyether Blend

Application: 66 Shore A Non-Black Millathane® 26 Compound - FDA Compliant\*

|                     |       |   |       |           |
|---------------------|-------|---|-------|-----------|
| Millathane® 26      | 95.00 | Durometer, Shore A  | 65    |           |
| Pliolite S6B        | 5.00  | Durometer, Shore D  |       |           |
| Stearic Acid        | 0.27  | Durometer, Asker C  |       |           |
| Hi-Sil 233**        | 25.00 | 25% Modulus, psi  |       | MPa       |
| DBEEA (TP-95)       | 2.00  | 50% Modulus, psi  |       | MPa       |
| Struktol WB-222     | 1.00  | 100% Modulus, psi   | 200   | 1.4 MPa   |
| AC617A Polyethylene | 2.00  | 200% Modulus, psi   | 320   | 2.2 MPa   |
| DiCup 40C           | 5.00  | 300% Modulus, psi   | 510   | 3.5 MPa   |
|                     |       | Tensile Strength, psi   | 2950  | 20.3 MPa  |
|                     |       | Elongation, %   | 660   |           |
|                     |       | Tear Die C, lb/in.  | 163   | 28.5 kN/m |
|                     |       | Tear Die B, lb/in.  | 297   | 52.0 kN/m |
|                     |       | Tear Die T, lb/in.  |       | kN/m      |
|                     |       | Specific Gravity, g/cc  | 1.160 |           |
|                     |       | CureTime, minutes   | 8     |           |
|                     |       | Cure Temp°F   | 320   | 160 °C    |
|                     |       | Mooney Viscosity, ML4/100°C   | 62    |           |
|                     |       | <b>Heat Aging</b> <input type="text"/> Hrs at <input type="text"/> °C |       |           |
|                     |       | Hardness Change, pts.   |       |           |
|                     |       | Tensile Change, %   |       |           |
|                     |       | Elongation Change, %  |       |           |

Total 135.27

|                        |    |
|------------------------|----|
| Brittle Point, °C      |    |
| TR10, °C (ASTM D1329)  |    |
| Bashore Resilience, %  | 51 |
| DIN Abrasion, mm³ loss | 90 |

**Fluid Aging**

|   |  |  |
|---|--|--|
| <input type="text"/> Hrs at <input type="text"/> °C |  |  |
| Hardness Change, pts.                               |  |  |
| Tensile Change, %                                   |  |  |
| Elongation Change, %                                |  |  |
| Volume Change, %                                    |  |  |
| Surface Resistivity, ohm/cm²                        |  |  |
| Volume Resistivity, ohm-cm                          |  |  |
| UL 94 Rating:                                       |  |  |

|  |                      |
|--|----------------------|
| Compression Set 22h/70°C, %                        | 36                   |
| 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:                 |                      |
| <input type="text"/> h/ <input type="text"/> °C, % | <input type="text"/> |

Other Tests and Info: 
 \*Compound contains ingredients compliant with 21CFR177.2600 to the best of our knowledge at the time of 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+)