

| Formula ID 1686 Compound X   | P-6122-K | Cure:  | Р     | Color:        | NB        |                   |
|--|----------|--|-------|---------------|-----------|-------------------|
|  |          |  |       | Urethane Type | : Polyeth | ner Blend         |
| Application: 67 Shore A Non-Black Millathane® 26 Molding Compound - FDA Compliant*   |          |  |       |               |           |                   |
| Millathane® 26   | 90.00    | Durometer  | Shor  | re A          | 67        |                   |
| Pliolite S6B   | 10.00    | Durometer  |       |               |           |                   |
| Stearic Acid   | 0.24     | Durometer  |       |               |           |                   |
| Hi-Sil 233**   | 25.00    | 25% Modu   |       |               | MPa       |                   |
| DBEEA (TP-95)  | 2.00     | 50% Modulus, psi<br>100% Modulus, psi                                  |       |               |           | MPa<br>1.7 MPa    |
| Struktol WB-222  | 1.00     | 200% Mod   |       | 250<br>420    | 2.9 MPa   |                   |
| AC617A Polyethylene  | 2.00     | 300% Mod   | ulus, | 655           | 4.5 MPa   |                   |
| DiCup 40C  | 5.00     | Tensile Str  |       | 2920          | 20.1 MPa  |                   |
|  | 5.00     | Elongation   |       |               | 635       |                   |
|  |          | Tear Die C, Ib/in.<br>Tear Die B, Ib/in.<br>Tear Die T, Ib/in.         |       |               | 182       |                   |
|  |          |  |       |               | 307       | 53.7 kN/m<br>kN/m |
|  |          |  |       |               | 1 1 0 0   | IXI N/111         |
|  |          | Specific Gravity, g/cc   |       | 1.160         |           |                   |
|  |          | CureTime, minutes<br>Cure Temp°F                                       |       |               | 8<br>320  | 160 °C            |
|  |          | •  |       |               |           | 100 0             |
|  |          | Mooney Viscosity, ML4/100°C  |       |               | 57        |                   |
| Total  | 135.24   | Heat Aging   | g     | Hrs at        | °C        |                   |
| Brittle Point, °C  |          | Hardness Change, pts.  |       |               |           |                   |
| TR10, °C (ASTM D1329)  |          | Tensile Change, %  |       |               |           |                   |
| Bashore Resilience, %  | 47       | Elongation Change, %   |       |               |           |                   |
| DIN Abrasion, mm <sup>3</sup> loss   | 91       | Fluid Agin   | g     |               |           |                   |
|  |          | Hardness   | Char  | Hrs at        | °C        |                   |
| Compression Set 22h/70°C, %  | 38       | Hardness Change, pts.<br>Tensile Change, %                             |       |               |           |                   |
| Compression Set 70h/70°C, %  |          | Elongation Change, %   |       |               |           |                   |
| Compression Set 22h/100°C, %<br>Compression Set 70h/100°C, %   |          | Volume C   |       |               |           |                   |
| Compression Set 701/100 C, %<br>Compression Set 22h/125°C, %   |          |  |       |               |           |                   |
| Compression Set 22h/150°C, %   |          | Surface Resistivity, ohm/cm <sup>2</sup><br>Volume Resistivity, ohm-cm |       |               |           |                   |
| Compression Set, Other condition   | s:       | UL 94 Rating:  |       |               |           |                   |
| h/ °C,%  |          |  |       |               |           |                   |
| Other Tests *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+)  |          |  |       |               |           |                   |
|  |          |  |       |               |           |                   |

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