

**Plaslube® PC / ABS FR 1950 BK**

 Techmer Polymer Modifiers - *Polycarbonate + ABS*
**General Information**
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|                   |  |
|-------------------|--|
| Material Status   | <ul style="list-style-type: none"> <li>Commercial: Active</li> </ul> |
| Availability      | <ul style="list-style-type: none"> <li>North America</li> </ul>      |
| Features          | <ul style="list-style-type: none"> <li>Flame Retardant</li> </ul>    |
| Appearance        | <ul style="list-style-type: none"> <li>Black</li> </ul>              |
| Forms             | <ul style="list-style-type: none"> <li>Pellets</li> </ul>            |
| Processing Method | <ul style="list-style-type: none"> <li>Injection Molding</li> </ul>  |

**Properties <sup>1</sup>**

|   | Nominal Value | Unit     | Test Method |
|---|---------------|----------|-------------|
| <b>Physical</b>   |               |          |             |
| Density / Specific Gravity                              | 1.14          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)                | 8.0           | g/10 min | ASTM D1238  |
| Molding Shrinkage - Flow (0.125 in)                     | 6.0E-3        | in/in    | ASTM D955   |
| Water Absorption (24 hr)                                | 0.10          | %        | ASTM D570   |
| <b>Mechanical</b>                                       |               |          |             |
| <b>Nominal Value Unit Test Method</b>                   |               |          |             |
| Tensile Strength (Yield)                                | 8200          | psi      | ASTM D638   |
| Tensile Elongation (Yield)                              | 50            | %        | ASTM D638   |
| Flexural Modulus  | 390000        | psi      | ASTM D790   |
| Flexural Strength                                       | 13000         | psi      | ASTM D790   |
| <b>Impact</b>   |               |          |             |
| <b>Nominal Value Unit Test Method</b>                   |               |          |             |
| Notched Izod Impact (73°F, 0.125 in)                    | 13            | ft·lb/in | ASTM D256   |
| Instrumented Dart Impact (Total Energy)                 | 380           | in·lb    | ASTM D3763  |
| <b>Hardness</b>   |               |          |             |
| <b>Nominal Value Unit Test Method</b>                   |               |          |             |
| Rockwell Hardness (R-Scale)                             | 120           |          | ASTM D785   |
| <b>Thermal</b>  |               |          |             |
| <b>Nominal Value Unit Test Method</b>                   |               |          |             |
| Deflection Temperature Under Load (264 psi, Unannealed) | 210           | °F       | ASTM D648   |
| CLTE - Flow   | 4.0E-5        | in/in/°F | ASTM D696   |
| <b>Electrical</b>                                       |               |          |             |
| <b>Nominal Value Unit Test Method</b>                   |               |          |             |
| Surface Resistivity                                     | 1.0E+16       | ohms     | ASTM D257   |
| Volume Resistivity                                      | 1.0E+18       | ohms·cm  | ASTM D257   |
| <b>Flammability</b>                                     |               |          |             |
| <b>Nominal Value Unit Test Method</b>                   |               |          |             |
| Flame Rating (0.25 in)                                  | 5VA           |          | UL 94       |

