

# PIER ONE POLYMERS INCORPORATED

*Thermoplastic Solutions*

## Property Data

### MAXAMID™ RC6HSL-BK09

Nylon Type 6, Resin

MAXAMID™ RC6 is available in black only. Internal and external lubricants, UV stabilized and other modifications are available. Manufactured with recycled content. Further information and details are available upon request.

| Property  | Test Method   | Units  | Value   |
|---|---|--|---|
|   |   |  | DAM   |
| <b>Mechanical</b><br>Tensile Strength<br>Elongation @ Break<br>Flexural Modulus<br>Flexural Strength<br>Izod Impact | ASTM D 638<br>ASTM D 638<br>ASTM D 790<br>ASTM D 790<br>ASTM D256 | Mpa (psi)<br>%<br>Mpa (psi)<br>Mpa (psi)<br>J/m (ft lb/in) | 75.9 (11,000)<br>40<br>2758.6 (400,000)<br>103.4 (15,000)<br>53.4 (1) |
| <b>Thermal</b><br>Heat Deflection Temperature<br>1.8 Mpa (264 psi)<br>Melting Point                                 | ASTM D 648<br>ASTM D 3418   | °C (°F)<br>°C (°F)   | 62.7 (145)<br>220 (428)   |
| <b>Other</b><br>Specific Gravity  | ASTM D 792  |  | 1.13  |
| <b>Processing</b><br>Melt Temperature Range<br>Mold Temperature Range<br>Processing Moisture Content                |   | °C (°F)<br>°C (°F)<br>%                                    | 216-277 (420-530)<br>10-93 (50-200)<br><0.20                          |

Mechanical properties measured at 23°C (73°F)

Contact Pier One Polymers, Inc. for MSDS, general guidelines and/or additional information about ventilation, handling, purging, drying, etc.

**CALL PIER ONE POLYMERS FIRST (877) 283-1975**

The information above is compiled by the material manufacturer. Actual values should not be construed as a guarantee of analysis of any specific lot or as specification items. The properties of any single lot or shipment of product may vary from the above analysis. No warranty is given as to the suitability of the product for any particular application. The determination of suitability of the above product information for any particular use is solely the responsibility of the user.