

Technical Data Sheet

**Schuladur PC/PBT-1420UIM BKBLK**



Polycarbonate + PBT

**Product Description**

Polycarbonate + PBT, Injection Grade, Superior Cold Temperature Impact Colors Available Add "R" for Added Release Add "U" for UV Stabilized

**Processing Method**            Injection Molding  
**Attribute**                        Low Temperature Impact Resistance  
**Appearance**                    Colors Available

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--|---------------|-------------------|-------------|
| <b>Physical</b>  |               |                   |             |
| Melt Flow Rate, (260 °C/5.0 kg)                        | 20            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 1.17          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield                              | 49            | MPa               | ASTM D638   |
| Flexural Modulus                                       | 1710          | MPa               | ASTM D790   |
| Tensile Elongation at Break                            | >170          | %                 | ASTM D638   |
| Flexural Strength                                      | 68.9          | MPa               | ASTM D790   |
| <b>Impact</b>  |               |                   |             |
| Notched Izod Impact                                    |               |                   |             |
| (23 °C, 3.18 mm)                                       | 750           | J/m               | ASTM D256   |
| (-30 °C, 3.18 mm)                                      | 530           | J/m               | ASTM D256   |
| <b>Thermal</b>   |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 97.8          | °C                | ASTM D648   |