

PRL PC/ABS-GP2

(PC+ABS)

Polymer Resources, Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 57.6 | MPa | ASTM D 638 |
| Tensile Strength at Break | 56.2 | MPa | ASTM D 638 |
| Flexural Modulus | 2275 | MPa | ASTM D 790 |
| Flexural Strength | 82.7 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 587 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 121 | °C | ASTM D 648 |
| DTUL @ 264 psi | 107 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1150 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|--------------------|-------------|----------------------|
| Pre-drying - Temperature | 76.7 - 82.2 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Melt temperature | 274 - 302 | °C | - |
| Mold temperature | 71.1 - 93.3 | °C | - |
| Zone 1 | 249 - 288 | °C | - |
| Zone 2 | 254 - 293 | °C | - |
| Zone 3 | 260 - 302 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Applications

General Purpose

Regional Availability

North America