

PRL PPX-GP8

(PPE+PS)

Polymer Resources, Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 17 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 11.6 | kg | - |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 44.8 | MPa | ASTM D 638 |
| Tensile Strength at Break | 44.8 | MPa | ASTM D 638 |
| Elongation at Break | 50 | % | ASTM D 638 |
| Flexural Modulus | 1965 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 374 | J/m | ASTM D 256 |
| Izod Impact notched, Low-Temperature | 187 | J/m | ASTM D 256 |
| Temperature | -40 | °C | - |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 116 | °C | ASTM D 648 |
| DTUL @ 264 psi | 110 | °C | ASTM D 648 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-------|--------|---------------|
| ASTM Data | | | |
| Volume Resistivity | >1E15 | Ohm*cm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1040 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-------------|------|---------------|
| Pre-drying - Temperature | 104 - 110 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Melt temperature | 274 - 302 | °C | - |
| Mold temperature | 65.6 - 98.9 | °C | - |
| Zone 1 | 243 - 293 | °C | - |
| Zone 2 | 254 - 299 | °C | - |
| Zone 3 | 266 - 304 | °C | - |

Characteristics**Processing**

Injection Molding

Applications

General Purpose

Delivery form

Pellets

Regional Availability

North America

Special Characteristics

High impact or impact modified