

RamTal PM1009NTB

POM

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 7.5 | cm ³ /10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Molding shrinkage, parallel | 1.9 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2700 | MPa | ISO 527 |
| Tensile Strength | 65 | MPa | ISO 527 |
| Yield strain | 10 | % | ISO 527 |
| Charpy notched impact strength, +23°C | 6 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 5.5 | kJ/m ² | ISO 179/1eA |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Water absorption | 0.8 | % | Sim. to ISO 62 |
| Humidity absorption | 0.2 | % | Sim. to ISO 62 |
| Density | 1410 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.15 | % | - |
| Mold temperature | 60 - 90 | °C | - |
| Feed temperature | 60 - 70 | °C | - |
| Zone 1 | 170 - 180 | °C | - |
| Zone 2 | 180 - 190 | °C | - |
| Zone 3 | 180 - 190 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Certifications

RoHS compliant

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa