

RamTal PM3007G5BK10

POM-GF25

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 7.5 | g/10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.1 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 8700 | MPa | ISO 527 |
| Tensile Strength | 112 | MPa | ISO 527 |
| Strain at break | 2.2 | % | ISO 527 |
| Flexural modulus, 23°C | 8000 | MPa | ISO 178 |
| Flexural strength | 176 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 7.2 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 7.8 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|--------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 160 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 163 | °C | ISO 75-1/-2 |
| Burning rate, FMVSS, Thickness 1 mm | 100 | mm/min | ISO 3795 (FMVSS 302) |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1580 | 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

Black

Regional Availability

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