

RamSter PF312G6BK401

PBT-GF30

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 17.5 | g/10min | ISO 1133 |
| Temperature | 250 | °C | - |
| Load | 2.16 | kg | - |
| Other Standards^[S] | | | |
| Molding shrinkage, parallel | 0.3 | % | Producer Method |
| Molding shrinkage, normal | 0.8 | % | Producer Method |

S: These properties are reported by the producer according standards that are different to our defaults.

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 9750 | MPa | ISO 527 |
| Tensile Strength | 134 | MPa | ISO 527 |
| Strain at break | 2.7 | % | ISO 527 |
| Charpy notched impact strength, +23°C | 11 | kJ/m ² | ISO 179/1eA |
| Izod impact strength, +23°C | 66 | kJ/m ² | ISO 180/1U |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|--------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 205 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 220 | °C | ISO 75-1/-2 |
| Burning rate, FMVSS, Thickness 1 mm | 100 | mm/min | ISO 3795 (FMVSS 302) |

| Electrical properties | Value | Unit | Test Standard |
|----------------------------|-------|------|---------------|
| ISO Data | | | |
| Comparative tracking index | 300 | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|------|----------------|
| Water absorption | 0.4 | % | Sim. to ISO 62 |
| Humidity absorption | 0.1 | % | Sim. to ISO 62 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Processing humidity | ≤0.04 | % | - |
| Mold temperature | 70 - 90 | °C | - |
| Feed temperature | 40 - 60 | °C | - |
| Zone 1 | 245 - 255 | °C | - |
| Zone 2 | 245 - 255 | °C | - |
| Zone 3 | 250 - 260 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

Hydrolytically Stable

Certifications

RoHS compliant

Applications

Automotive

Regional Availability

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