

**RamSter PF502G6BK10**

PBT-GF30

Polyram

| Processing/Physical Characteristics | Value       | Unit                   | Test Standard |
|-------------------------------------|-------------|------------------------|---------------|
| <b>ISO Data</b>                     |             |                        |               |
| Melt volume-flow rate, MVR          | <b>5</b>    | cm <sup>3</sup> /10min | ISO 1133      |
| Temperature                         | <b>250</b>  | °C                     | -             |
| Load                                | <b>2.16</b> | kg                     | -             |
| Melt flow index, MFI                | <b>8</b>    | g/10min                | ISO 1133      |
| Temperature                         | <b>250</b>  | °C                     | -             |
| Load                                | <b>2.16</b> | kg                     | -             |

| Mechanical properties               | Value        | Unit              | Test Standard |
|-------------------------------------|--------------|-------------------|---------------|
| <b>ISO Data</b>                     |              |                   |               |
| Tensile Modulus                     | <b>11000</b> | MPa               | ISO 527       |
| Tensile Strength                    | <b>140</b>   | MPa               | ISO 527       |
| Strain at break                     | <b>2.4</b>   | %                 | ISO 527       |
| Izod notched impact strength, +23°C | <b>9.5</b>   | kJ/m <sup>2</sup> | ISO 180/1A    |

| Thermal properties                    | Value      | Unit  | Test Standard   |
|---------------------------------------|------------|-------|-----------------|
| <b>ISO Data</b>                       |            |       |                 |
| Burning behav. at 1.5 mm nom. thickn. | <b>V-0</b> | class | IEC 60695-11-10 |
| Thickness tested                      | <b>1.6</b> | mm    | -               |
| Burning behav. at thickness h         | <b>V-0</b> | class | IEC 60695-11-10 |
| Thickness tested                      | <b>0.8</b> | mm    | -               |
| Glow Wire Flammability Index (GWFI)   | <b>960</b> | °C    | IEC 60695-2-12  |
| GWFI - thickness tested (1)           | <b>1.6</b> | mm    | -               |

| Other properties | Value       | Unit              | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density          | <b>1690</b> | kg/m <sup>3</sup> | ISO 1183      |

| Processing Recommendation Injection Molding | Value            | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature                    | <b>120</b>       | °C   | -             |
| Pre-drying - Time                           | <b>3 - 4</b>     | h    | -             |
| Processing humidity                         | <b>≤0.02</b>     | %    | -             |
| Mold temperature                            | <b>70 - 90</b>   | °C   | -             |
| Feed temperature                            | <b>40 - 60</b>   | °C   | -             |
| Zone 1                                      | <b>235 - 255</b> | °C   | -             |
| Zone 2                                      | <b>235 - 255</b> | °C   | -             |
| Zone 3                                      | <b>240 - 260</b> | °C   | -             |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

Flame retardant

**Certifications**

RoHS compliant

**Applications**

Automotive

**Regional Availability**

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