

**RamSter PF331G50BK10**

PBT-GF50

Polyram

| <b>Mechanical properties</b>          | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                       |              |                   |                      |
| Tensile Modulus                       | <b>16200</b> | MPa               | ISO 527              |
| Tensile Strength                      | <b>160</b>   | MPa               | ISO 527              |
| Strain at break                       | <b>2.2</b>   | %                 | ISO 527              |
| Charpy impact strength, +23°C         | <b>50</b>    | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C | <b>8</b>     | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Izod notched impact strength, +23°C   | <b>10</b>    | kJ/m <sup>2</sup> | ISO 180/1A           |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1730</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| 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>245 - 255</b> | °C          | -                    |
| Zone 2   | <b>245 - 255</b> | °C          | -                    |
| Zone 3   | <b>250 - 260</b> | °C          | -                    |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Regional Availability**

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