

RamReduce PPH302U3G5BK10

PP-(GF+Z)40

Polyram

Product Texts

RAMREDUCE PPH302U3G5BK10 is Black, polypropylene compound with 25% Glass Fiber and 15% De-Carbonizer. Decarbonizers are used to enhance carbon neutrality performance and/or reduce carbon foot print. Contains renewable sourced materials.

Processing/Physical Characteristics

| | Value | Unit | Test Standard |
|----------------------------|-------|------------------------|---------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 3 | cm ³ /10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 5 | kg | - |

Mechanical properties

| | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 4500 | MPa | ISO 527 |
| Tensile Strength | 50 | MPa | ISO 527 |
| Strain at break | 4 | % | ISO 527 |
| Charpy impact strength, +23°C | 45 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 15 | kJ/m ² | ISO 179/1eA |

Other properties

| | Value | Unit | Test Standard |
|---------|-------|-------------------|---------------|
| Density | 1130 | kg/m ³ | ISO 1183 |

Processing Recommendation Injection Molding

| | Value | Unit | Test Standard |
|--------------------------|-----------|------|---------------|
| Pre-drying - Temperature | 85 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Processing humidity | ≤0.15 | % | - |
| Mold temperature | 30 - 60 | °C | - |
| Feed temperature | 60 - 80 | °C | - |
| Zone 1 | 165 - 185 | °C | - |
| Zone 2 | 165 - 185 | °C | - |
| Zone 3 | 175 - 195 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Features

Homopolymer

Certifications

Contains renewable resources

Regional Availability

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