

OmniPro™ CPP GRC30

Polypropylene Copolymer

OMNI Plastics, LLC

Message:

OmniPro™ CPP GRC30 is a Polypropylene Copolymer (PP Copolymer) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Chemically Coupled

Copolymer

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| UL YellowCard | E138590-100058507 | E138590-101454806 | |
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Features | Chemically Coupled | | |
| | Copolymer | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.13 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 23°C) | 68.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 4.0 | % | ASTM D638 |
| Flexural Modulus | 5340 | MPa | ASTM D790 |
| Flexural Strength (Break) | 124 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 130 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed | 146 | °C | |
| 1.8 MPa, Unannealed | 135 | °C | |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 204 to 249 | °C | |
| Middle Temperature | 216 to 260 | °C | |
| Front Temperature | 216 to 260 | °C | |
| Nozzle Temperature | 216 to 260 | °C | |
| Processing (Melt) Temp | 216 to 260 | °C | |
| Mold Temperature | 26.7 to 60.0 | °C | |
| Back Pressure | 0.345 to 0.689 | MPa | |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

