# TRANSMARE® 5CGF30

Polypropylene Copolymer

Transmare Compounding B.V.

## Message:

TRANSMARE® 5CGF30 is a copolymer polypropylene filled with 30% of glass fibres. It combines a high impact at low temperatures with a high stiffness.

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass Fiber,30% Filler by Volume | | |
| Features | Copolymer<br>High Impact Resistance<br>High Stiffness<br>Low Temperature Impact Resistance | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.11 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) | | | ISO 1133 |
| 230°C/10.0 kg | 22 | g/10 min | |
| 230°C/2.16 kg | 1.4 | g/10 min | |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 1.50 | cm³/10min | ISO 1133 |
| Moisture Content [1] | < 0.20 | % | Internal Method |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness (Shore D) | 70 | | ISO 868 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus (4.00 mm) | 5420 | MPa | ISO 527-2/1 |
| Tensile Stress | | | |
| Yield, 4.00 mm | 71.0 | MPa | ISO 527-2/50 |
| Break, 4.00 mm | 71.0 | MPa | ISO 527-2/50 |
| -- [2] | 71.0 | MPa | ISO 527-2 |
| Tensile Strain | | | ISO 527-2/50 |
| Yield, 4.00 mm | 5.0 | % | |
| Break, 4.00 mm | 6.0 | % | |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength | | | ISO 179/A |
| -40°C | 9.0 | kJ/m² | |
| -20°C | 11 | kJ/m² | |
| 0°C | 12 | kJ/m² | |
| 23°C | 19 | kJ/m² | |

| | | | |
|---|---|---|---|
| Notched Izod Impact Strength | | | ISO 180/A |
| -40°C | 12 | kJ/m² | |
| -20°C | 14 | kJ/m² | |
| 0°C | 16 | kJ/m² | |
| 23°C | 19 | kJ/m² | |
| Flammability | Nominal Value | Unit | Test Method |
| Burning Rate | < 100 | mm/min | FMVSS 302 |
| NOTE | | | |
| 1. | Halogen dryer | | |
| 2. | Maximum | | |



## Recommended distributors for this material

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