

GTM PP20TALC UC

Polypropylene copolymer reinforced with 20% talc

General information:

Polypropylene copolymer (PP) reinforced with 20% talc, made from PCR and PIR flakes.

Processing method: Injection method

| Properties | Min. Limit | Max. Limit | Typical Value | Unit | Test Method |
|--------------------------------|------------|-------------|---------------|-------------------------------|----------------------|
| Density | 1.032 | 1.140 | 1.080 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 7.0 | 14.0 | 10.0 | g/10min | ASTM D1238 |
| Reinforcement content | 18.0 | 22.0 | 20.0 | % | ASTM D5630 |
| Flexural Modulus | >1500 | | 1800 | MPa | ASTM D790 |
| Tensile Stress (Yield) | >20 | | 22 | MPa | ISO 527-2 |
| Notched Izod Impact Resistance | 3.9 1.0 | 10.0 3.5 | 6.0 1.5 | kJ/m ² lb-ft/in | ISO 180 ASTM D256 |
| Flame Resistance | | | HB | | Internal UL94 |

Notes:

- *Typical properties: these are not to be construed as specifications. Method I (3 point load)*
- *Tested at 23 ± 2 °C (73.4 ± 3.6 °F) and 50 ± 10% relative humidity unless otherwise noted*

Features:

- Superior process efficiency
- Thermally stabilized
- Optimal combination of rigidity and impact strength
- Colors: Black

Uses:

- Components for automotive, appliance, and HVAC manufacturing
- Industrial applications

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