



Softell TKG 300N C12616

Compounded Polyolefin

Product Description

Softell TKG 300N C12616 is a 26% glass fiber reinforced PP copolymer, with very low gloss, excellent emissions, excellent scratch resistance and very low CLTE (Coefficient of Linear Thermal Expansion). Please contact Basell for shrinkage recommendations. The product is available in different color matched, pellet form. This grade is delivered in C12616 color version.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

Product Characteristics

| | |
|-------------------------------|---|
| Status | Commercial |
| Processing Method | Injection molding |
| Features | Gloss, emissions, scratch resistance, CLTE (Coefficient of Linear Thermal Expansion). |
| Typical Customer Applications | Used for applications that require excellent aesthetics. |

| Typical Properties | Method | Value | Unit |
|--|---------------|-------|-------------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16 kg) | ISO 1133 | 6 | g/10 min |
| Density (23 °C) | ISO 1183-1/A | 1.09 | g/cm ³ |
| Mechanical | | | |
| Tensile Stress at Yield (23 °C) | ISO 527-1, -2 | 34 | MPa |
| Tens. Strain at Break | ISO 527-1, -2 | 13 | % |
| Flexural Modulus (23 °C) Tech. A | ISO 178/A1 | 2500 | MPa |
| Impact | | | |
| Charpy Impact Strength, notched (23 °C) | ISO 179-1/1eA | 35 | kJ/m ² |
| Charpy Impact Strength, notched (-30 °C) | ISO 179-1/1eA | 5.5 | kJ/m ² |
| Thermal | | | |
| Vicat Softening Temperature A (10 N) | ISO 306 | 132 | °C |
| Heat Deflection Temperature A (1.8 MPa) | ISO 75-1, -2 | 80 | °C |

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affect the quality of this product
- Keep material completely dry for good processing.

