

Softell TKG 300N 1 C12844

Compounded Polyolefin

Product Description

Softell TKG 300N 1 C12844 is a 25% glass fiber reinforced PP copolymer, with good impact/stiffness balance, excellent scratch resistance, high dimensional stability and very low gloss. The product is available as a customized color matched, pellet form. This grade is delivered in C12844 color version.

This grade is not intended for medical, pharmaceutical, food, drinking water and all applications not listed in the supported list. For more information please contact our sales representatives.

Product Characteristics

| | |
|--------------------------------------|---|
| Status | Commercial |
| Processing Method | Injection molding |
| Features | Impact/stiffness balance, scratch resistance, dimensional stability, gloss. |
| Typical Customer Applications | Used for automotive interior trims. |

| 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 | 15 | % |
| 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 | 7.5 | kJ/m ² |
| Thermal | | | |
| Vicat Softening Temperature A (10 N) | ISO 306 | 130 | °C |
| Heat Deflection Temperature B (0.45 MPa) | ISO 75-1, -2 | 125 | °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 affects on the quality of this product
- Keep material completely dry for good processing.

