



Softell TKG 442N C12897

Compounded Polyolefin

Product Description

Softell TKG 442N C12897 is a 13% glass fiber reinforced PP copolymer, with excellent dimensional stability, good surface appearance, low gloss and excellent scratch resistance. Product is available as a customized color matched, pelletform. Due to pigmentation, ash content may vary between 13-17 %. This very low warpage grade has been especially designed for aesthetical automotive interior applications. Softell TKG 442N combines soft touch haptics, a matt surface and very good sound dampening. This grade is delivered in C12897 color version.

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

Product Characteristics

| | | |
|-------------------------------|---|-----|
| Status | Commercial | |
| Availability | Europe | (1) |
| Processing Method | Injection molding | |
| Features | Scratch resistance, surface appearance, low shrinkage, soft touch haptics. | |
| Typical Customer Applications | Used for automotive interior trims requiring excellent surface aspect combined with soft touch. | |

| Typical Properties | Method | Value | Unit |
|---|---------------|-------|-------------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16 kg) | ISO 1133 | 12 | g/10 min |
| Density (23 °C) | ISO 1183-1/A | 1.0 | g/cm ³ |
| Mechanical | | | |
| Tens.Strain at Break | ISO 527-1, -2 | 30 | % |
| Flexural Modulus (23 °C) Tech. A | ISO 178/A1 | 2100 | MPa |
| Impact | | | |
| Charpy Impact Strength, unnotched (23 °C) | ISO 179-1/1eU | n.b. | kJ/m ² |
| Charpy Impact Strength, notched (23 °C) | ISO 179-1/1eA | 21 | kJ/m ² |
| Charpy Impact Strength, notched (-30 °C) | ISO 179-1/1eA | 6 | kJ/m ² |
| Thermal | | | |
| Vicat Softening Temperature A (10 N) | ISO 306 | 110 | °C |
| Heat Deflection Temperature B (0.45 MPa) | ISO 75-1, -2 | 131 | °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.

Notes

Typical properties; not to be construed as specifications.

(1) : Here is indicated the region where the material is produced. For importation or demand of a local equivalent grade, please contact our Sales Representatives.