

Technical Data Sheet

Softell TKG 442N E1 C12A19

Polypropylene Compounds

Product Description

Softell TKG 442N E1 C12A19 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, pellet form. 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 C12A19 color version.

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

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|--------------------------|---|
| Application | Automotive Parts; Interior Trims |
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | Good Dimensional Stability; Low Gloss; Pleasing Surface Appearance; Scratch Resistant |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 12 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 1 | g/cm ³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus, (23 °C, Tech. A) | 2000 | MPa | ISO 178/A1 |
| Tensile Strain at Break, (23 °C) | 12 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 21 | kJ/m ² | ISO 179-1/1eA |
| (-30 °C) | 6 | kJ/m ² | ISO 179-1/1eA |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 142 | °C | ISO 306 |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 138 | °C | ISO 75B-1, -2 |