

## 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

<b>Status</b>	Commercial
<b>Processing Method</b>	Injection molding
<b>Features</b>	Scratch resistance, surface appearance, low shrinkage, soft touch haptics.
<b>Typical Customer Applications</b>	Used for automotive interior trims requiring excellent surface aspect combined with soft touch.

Typical Properties	Method	Value	Unit
<b>Physical</b>			
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 <sup>3</sup>
<b>Mechanical</b>			
Tens.Strain at Break	ISO 527-1, -2	30	%
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	2100	MPa
<b>Impact</b>			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	n.b.	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	21	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (-30 °C)	ISO 179-1/1eA	6	kJ/m <sup>2</sup>
<b>Thermal</b>			
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.

