

## Technical Data Sheet

**Softell TKG 2176N C12507**

Polypropylene Compounds

**Product Description**

Softell TKG 2176N C12507 is a 20% glass fiber reinforced PP copolymer with good soft touch haptics, high flowability, high dimensional stability and very high scratch resistance. Due to pigmentation, ash content may vary between 20 -25 %. Material shows low shrinkage and has a very low warpage tendency. This grade is delivered in C12507 color version. This product is also available in other colors, new colors can be developed depending on customer requirements.

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

<b>Application</b>	Instrument Panels; Interior Trims
<b>Market</b>	Automotive
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Dimensional Stability; Good UV Resistance; High Flow; Scratch Resistant; Soft

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Density, (23 °C)	1.06	g/cm <sup>3</sup>	ISO 1183-1/A
<b>Mechanical</b>			
Flexural Modulus, (23 °C, Tech. A)	2400	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	2450	MPa	ISO 527-1, -2
Tensile Stress at Yield	31	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	12	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	38	kJ/m <sup>2</sup>	ISO 179-1/1eA
(-30 °C)	10	kJ/m <sup>2</sup>	ISO 179-1/1eA
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	120	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	139	°C	ISO 75B-1, -2