

## Technical Data Sheet

**Softell TKG 2039N 1 C12594**

Polypropylene Compounds

**Product Description**

Softell TKG 2039N 1 C12594 is a 25% glass fiber reinforced PP copolymer. Advanced technologies allowed for a significant properties improvement e.g. very good impact/stiffness balance, excellent scratch resistance, high dimensional stability, high UV-stability, low emissions and very low gloss. The product is available in different color matched, pellet form. This grade is delivered in C12594 color version.

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

<b>Status</b>	Commercial: Active
<b>Availability</b>	Europe
<b>Application</b>	Interior Trims
<b>Market</b>	Automotive
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Ductile; Good Dimensional Stability; Good Flow; Haptics; Low Gloss; Low Shrinkage; Low VOC Emission; Low Warpage; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density, (23 °C)	1.09	g/cm <sup>3</sup>	ISO 1183-1/A
<b>Mechanical</b>			
Flexural Modulus, (23 °C, Tech. A)	2200	MPa	ISO 178/A1
Tensile Stress at Yield, (23 °C)	26	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	20	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	50	kJ/m <sup>2</sup>	ISO 179-1/1eA
(-30 °C)	20	kJ/m <sup>2</sup>	ISO 179-1/1eA
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	135	°C	ISO 75B-1, -2

**Notes**

These are typical property values not to be construed as specification limits.