

Technical Data Sheet

Softell TKG 2039N C12546

Polypropylene Compounds

Product Description

Softell TKG 2039N C12546 is a 25% glass fiber reinforced PP copolymer, with high UV resistance, very good soft touch haptics, high flowability, high dimensional stability and very high scratch resistance. Due to pigmentation, ash content may vary between 25 -30 %. Material shows low shrinkage and has a very low warpage tendency. This grade is delivered in C12546 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.

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density, (23 °C)	1.09	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2500	MPa	ISO 178/A1
Tensile Strain at Break, (23 °C)	18	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	45	kJ/m ²	ISO 179-1/1eA
(-30 °C)	15	kJ/m ²	ISO 179-1/1eA
Hardness			
Shore Hardness, (Shore D)	52		ISO 868
Thermal			
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	135	°C	ISO 75B-1, -2