Technical Data Sheet

Softell TKG 2039N E2 C12546

Polypropylene Compounds

Product Description

Softell TKG 2039N E2 C12546 is a 25% glass fiber reinforced PP copolymer, with high UV resistance, very good soft touch haptics, high flowability, high dimensional stability, very high impact resistance and scratch resistance. The product is available in different color matched, pellet form. Material shows low shrinkage and has a very low warpage tendency. This grade is delivered in C12546 version.

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)	15	g/10 min	ISO 1133-1
Density, (23 °C)	1.09	g/cm³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2800	MPa	ISO 178/A1
Tensile Stress at Yield, (23 °C)	33	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	14	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	42	kJ/m²	ISO 179-1/1eA
(-30 °C)	12.5	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	120	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	140	°C	ISO 75B-1, -2