

Technical Data Sheet

Softell™ TKG 2039N 1 C12A33



Polypropylene Compounds

Product Description

Softell™ TKG 2039N 1 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 C12A33 color version.

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

Application	Interior Trims
Market	Automotive
Processing Method	Injection Molding
Attribute	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
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density, (23 °C)	1.09	g/cm³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2500	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
Impact			
Charpy Impact Strength - Notched			
(23 °C)	50	kJ/m²	ISO 179-1/1eA
(-30 °C)	20	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	135	°C	ISO 75B-1, -2