

Product Description

Softell™ TKG 442N E1 C12A19 is a 13% glass fiber reinforced PP copolymer, with excellent dimensional stability, good surface appearance, low gloss and excellent scratch resistance. Product is available as a customized color matched, pellet form. Due to pigmentation ash content may vary between 13-17%. This very low warpage grade has been especially designed for aesthetical automotive interior applications. Softell TKG 442N combines soft touch haptics, a matt surface and very good sound dampening. This grade is delivered in C12A19 color version.

Application	Automotive Parts; Interior Trims
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Low Gloss; Pleasing Surface Appearance; Scratch Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133-1
Density, (23 °C)	1	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2000	MPa	ISO 178/A1
Tensile Strain at Break, (23 °C)	12	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	21	kJ/m ²	ISO 179-1/1eA
(-30 °C)	6	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	142	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	138	°C	ISO 75B-1, -2

