

Softell TKG 442N C12897

Polypropylene Copolymer
LyondellBasell Industries

Message:

Softell TKG 442N C12897 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 softtouch haptics, a matt surface and very good sound dampening. This grade is delivered in C12897 color version. This grade is not intended for medical, pharmaceutical, food and drinking water applications.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 13% filler by weight		
Features	Good dimensional stability		
	Copolymer		
	Gloss, low		
	Scratch resistance		
	Soft		
	Low shrinkage		
Uses	Application in Automobile Field		
	Car interior equipment		
Appearance	Available colors		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.00	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Break)	12	%	ISO 527-2
Flexural Modulus ¹ (23°C)	2100	MPa	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	6.0	kJ/m²	ISO 179/1eA
23°C	21	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	131	°C	ISO 75-2/B
Vicat Softening Temperature	110	°C	ISO 306/A
NOTE			
1.	1.0 mm/min		

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