

Softell TKG 300N 1

Polyolefin
LyondellBasell Industries

Message:

Softell TKG 300N is a UV stabilised, 25 % glassfiber reinforced thermoplastic polyolefin compound for injection moulding. This very low warpage grade has been especially designed for aesthetical automotive interior applications. Softell TKG 300N combines soft touch haptics, a matt surface, a very good sound dampening with a high stiffness and an excellent scratch resistance. The grade is available in colour, pellet form.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	UV Stabilizer		
Features	Ductile		
	High Impact Resistance		
	Low Gel		
	Low Gloss		
	Low Shrinkage		
	Low Warpage		
	Pleasing Surface Appearance		
	Scratch Resistant		
	Soft		
	Sound Dampening		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			
Shore D	55		ASTM D2240
Shore D	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	36.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-30°C	7.5	kJ/m ²	
23°C	35	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa,
Unannealed)

125

°C

ISO 75-2/B

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