

# Softell TKG 442N C12507

Polyolefin  
LyondellBasell Industries

Message:

Softell TKG 442N is a UV stabilised, 12 % glassfiber reinforced thermoplastic polyolefin compound for injection moulding. This very low warpage grade has been especially designed for aesthetical automotive interior applications. Softell TKG 442N 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,12% Filler by Weight		
Additive	UV Stabilizer		
Features	Ductile		
	Good UV Resistance		
	High Impact Resistance		
	High Scratch Resistance		
	High Stiffness		
	Low Gloss		
	Low Shrinkage		
	Low Warpage		
	Soft		
	Sound Dampening		
Uses	Automotive Interior Parts		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			
15 sec	57		ASTM D2240
3 sec	57		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	30.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.5	kJ/m <sup>2</sup>	
23°C	18	kJ/m <sup>2</sup>	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	131	°C	ISO 75-2/B

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#### Recommended distributors for this material

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