



Softell TKG 442N C12507

Compounded Polyolefin

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Method	Injection Molding
Features	Ductile, High Impact Resistance , Scratch Resistant, Soft, Sound Damping, Low Shrinkage, Low Gloss

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	1,00 g/cm ³
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	12 g/10 min
Mechanical		
Tensile Stress at Break (23 °C)	ISO 527-1, -2	30 MPa
Flexural modulus (23 °C)	ISO 178	2100 MPa
Impact		
Notched impact strength acN -30>C	ISO 179	5,5 kJ/m ²
Notched impact strength acN 23>C	ISO 179	18 kJ/m ²
Hardness		
Shore hardness D	ISO 868/ASTM D 2240	157
Note: (3 s / 15 s)		
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	131 °C

Notes

Typical properties; not to be construed as specifications.

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- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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