

Softell TKG 317N

Compounded Polyolefin

Product Description

Softell TKG 317N 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 like boot trim where a very high stiffness is required. Softell TKG 317N combines pleasant haptics, a matt surface, a good sound dampening with a very 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 Methods Injection Molding

Features Pleasing Surface Appearance, Ductile, Low Gloss, High Impact Resistance , Scratch Resistant, Low Shrinkage, Sound Damping

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	1,09 g/cm ³
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	7 g/10 min
Mechanical		
Tensile Stress at Break (23 °C)	ISO 527-1, -2	63 MPa
Flexural modulus	ISO 178	4500 MPa
Impact		
Notched impact strength acN -30>C	ISO 179	7,5 kJ/m ²
Notched impact strength acN 23>C	ISO 179	10 kJ/m ²
Hardness		
Shore hardness D	ISO 868/ASTM D 2240	71 / 69
<i>Note: (3 s / 15 s)</i>		
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	147 °C

Notes

Typical properties; not to be construed as specifications.