

## Softell TKG 300N

### Compounded Polyolefin

#### Product Description

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.

#### 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
<b>Physical</b>		
Density	ISO 1183	1,09 g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	6 g/10 min
<b>Mechanical</b>		
Tensile Stress at Break (23 °C)	ISO 527-1, -2	36 MPa
Flexural modulus (23 °C)	ISO 178	2500 MPa
<b>Impact</b>		
Notched impact strength acN -30>C	ISO 179	7,5 kJ/m <sup>2</sup>
Notched impact strength acN 23>C	ISO 179	35 kJ/m <sup>2</sup>
<b>Hardness</b>		
Shore hardness D	ISO 868/ASTM D 2240	58 / 55
<i>Note: (3 s / 15 s)</i>		
<b>Thermal</b>		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	125 °C

#### Notes

Typical properties; not to be construed as specifications.