

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

#### Notes

Typical properties; not to be construed as specifications.

© LyondellBasell Industries Holdings, B.V. 2012

LyondellBasell markets this product through the following entities:

- l Equistar Chemicals, LP
- l Basell Sales & Marketing Company B.V.
- l Basell Asia Pacific Limited
- l Basell International Trading FZE
- l LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyondellbasell.com/>.

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

This product(s) may not be used in:

- (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices, without prior notification to Seller for each specific product and application; or
- (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II medical devices; Health Canada Class II or III medical devices; European Union Class II medical devices; or any equivalent U.S. FDA, Health Canada, or European Union regulations pertaining to medical devices; packaging in direct contact with a pharmaceutical active ingredient and/or dosage form; and tobacco-related products and applications. This product(s) may not be used in the manufacture of any of the following applications: U.S. FDA Class III medical devices; Health Canada Class IV medical devices; European Class III medical devices; applications involving permanent implantation into the body; life-sustaining medical applications; and lead, asbestos or MTBE related applications. All references to the U.S. FDA, Health Canada and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

*Addhere, Adflex, Adstif, Adsyl, Akoafloor, Akoalit, Alathon, Alkylate, Amazing Chemistry, Aquamarine, Aquathene, Arconate, Arcopure, Arcosolv, Arctic Plus, Arctic Shield, Avant, Catalloy, Clyrell, CRP, Crystex, Dextrflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Glacido, Hifax, Histif, Hostacom, Hostalen, Ideal, Integrate, Koattro, LIPP, Lucalen, Luflexen, Lupolen, Lupolex, Luposim, Lupostress, Lupotech, Metocene, Microthene, Moplen, MPDIOL, Nerolex, Nexprene, Petrothene, Plexar,*

*Polymeg, Pristene, Prodflex, Pro-Fax, Punctillious, Purell, SAA100, SAA101, Sequel, Softell, Spherilene, Spheripol, Spherizone, Starflex, Stretchene, Superflex, TBAC, Tebol, T-Hydro, Toppyl, Trans4m, Tufflo, Ultrathene, Vacido and Valtec* are trademarks owned or used by the LyondellBasell family of companies.

*Adsyl, Akoafloor, Akoalit, Alathon, Aquamarine, Arconate, Arcopure, Arcosolv, Arctic Plus, Arctic Shield, Avant, CRP, Crystex, Dexflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Hifax, Hostacom, Hostalen, Ideal, Integrate, Koattro, Lucalen, Lupolen, Microthene, Moplen, MPDIOL, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Pro-Fax, Punctillious, Purell, Sequel, Softell, Spheripol, Spherizone, Starflex, Tebol, T-Hydro, Toppyl, Tufflo and Ultrathene* are registered in the U.S. Patent and Trademark Office.

Release Date: 07 Jun 2013