Technical Data Sheet

# *Softell* TKG 2039N C12897

Polypropylene Compounds

## Product Description

*Softell* TKG 2039N C12897 is a 25% glass fiber reinforced PP copolymer, with high UV resistance, very good soft touch haptics, high flowability, high dimensional stability and very high scratch resistance. The product is available in different color matched, pellet form. Due to pigmentation, ash content may vary between 25 -30 %. Material shows low shrinkage and has a very low warpage tendency. This grade is delivered in C12897 color version.

## Regulatory Status

For regulatory compliance information, see *Softell* TKG 2039N C12897 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

*This grade is not intended for medical, pharmaceutical, food and drinking water applications.*

| | |
|---|---|
| **Status** | Commercial: Active |
| **Availability** | Europe |
| **Application** | Instrument Panels; Interior Trims |
| **Market** | Automotive |
| **Processing Method** | Injection Molding |
| **Attribute** | CAE data available: See "Notes"; Good Dimensional Stability; Good UV Resistance; High Flow; Scratch Resistant; Soft |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 11 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 1.09 | g/cm³ | ISO 1183-1/A |
| **Mechanical** | | | |
| Flexural Modulus, (23 °C, Tech. A) | 2500 | MPa | ISO 178/A1 |
| Tensile Strain at Break, (23 °C) | 18 | % | ISO 527-1, -2 |
| **Impact** | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 45 | kJ/m² | ISO 179-1/1eA |
| (-30 °C) | 15 | kJ/m² | ISO 179-1/1eA |
| **Hardness** | | | |
| Shore Hardness, (Shore D) | 52 | | ISO 868 |
| **Thermal** | | | |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 135 | °C | ISO 75B-1, -2 |



Manufacturer website: https://www.lyondellbasell.com/en/

## Notes

These are typical property values not to be construed as specification limits.

Availability indicates the region where the material is produced. For importation or demand of a local equivalent grade, please contact our Sales Representatives.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

## Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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