

## Softell DKG100N

### Compounded Polyolefin

#### Product Description

Softell DKG100N is a 10% glass filled, thermoplastic polyolefin elastomer compound for injection molding. The grade has been designed primarily for automotive interior applications that require low gloss, soft touch, high rigidity, good impact and scratch and mar resistance.

#### Product Characteristics

|                               |  |
|-------------------------------|--|
| Status                        | Development  |
| Test Method used              | ISO  |
| Processing Methods            | Injection Molding  |
| Features                      | Ductile, Low Gloss, Good Impact Resistance , Scratch Resistant, Soft |
| Typical Customer Applications | Interior Applications  |

| Typical Properties   | Method        | Value | Unit              |
|--|---------------|-------|-------------------|
| <b>Physical</b>  |               |       |                   |
| Melt Flow Rate (230°C/2.16kg)                                      | ASTM D 1238   | 20    | g/10 min          |
| Density (23°C)   | ISO 1183      | 0.96  | g/cm <sup>3</sup> |
| <b>Mechanical</b>  |               |       |                   |
| Tensile Stress at Yield (23°C)                                     | ISO 527-1, -2 | 28    | MPa               |
| Tensile Strain at Yield (23°C)                                     | ISO 527-1, -2 | 10    | %                 |
| Flexural modulus (23°C)  | ISO 178       | 1750  | MPa               |
| <b>Impact</b>  |               |       |                   |
| Notched izod impact strength                                       | ISO 180       |       |                   |
| (23°C)   |               | 30    | kJ/m <sup>2</sup> |
| (-30°C)  |               | 10    | kJ/m <sup>2</sup> |
| <b>Thermal</b>   |               |       |                   |
| Heat deflection temperature B (0.45 MPa) Unannealed                | ISO 75B-1, -2 | 140   | °C                |
| <b>Additional Information</b>                                      |               |       |                   |
| Mold shrinkage   | ISO 294-4     |       |                   |
| Note: Please contact LyondellBasell for shrinkage recommendations. |               |       |                   |

#### Notes

Typical properties; not to be construed as specifications.

