

Softell TKS 209N

Polyolefin
LyondellBasell Industries

Message:

Softell TKS 209N is a UV stabilised, unfilled thermoplastic polyolefin compound for injection moulding. This grade has been especially designed for aesthetical automotive interior applications like soft inlays and flexible parts. Softell TKS 209N combines soft touch haptics, a matt surface, a very good sound dampening with a very low modulus and a good scratch resistance. The grade is available in colour, pellet form.

| General Information | | | |
|---|---------------------------|----------|---------------------|
| Additive | UV Stabilizer | | |
| Features | Ductile | | |
| | High Impact Resistance | | |
| | Low Gloss | | |
| | Low Shrinkage | | |
| | Scratch Resistant | | |
| | Soft | | |
| | Sound Damping | | |
| Uses | Automotive Interior Parts | | |
| Appearance | Colors Available | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.910 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.0 | g/10 min | ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D, 3 sec) | 24 | | ASTM D2240, ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Break, 23°C) | 8.00 | MPa | ISO 527-2 |
| Flexural Modulus (23°C) | 85.0 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | | | ISO 180 |
| -30°C | 110 | kJ/m² | |
| 23°C | No Break | | |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 53.0 | °C | ISO 306/A50 |

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