

Technical Data Sheet

Hifax TKS 428P E1 C11306



Polypropylene Compounds

Product Description

Hifax TKS 428P E1 C11306 is an unfilled PP copolymer, with excellent impact/stiffness balance, good flowability, very good surface appearance, very good UV resistance and excellent processability. Formula is improved to offer better aspect, especially on tiger stripes. Advanced technologies allowed for a significant reduction of mineral filler which contributed to the reduction of final part weight. Please contact lyondellbasell for shrinkage recommendations. The product is available in different color matched, pellet form. This grade is delivered in C11306 color version.

| | |
|--------------------------|---|
| Application | Bumpers; Exterior Automotive Applications |
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | Good Flow; Good Processability; Good UV Resistance; Low Density |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 10 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 0.91 | g/cm ³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus, (23 °C, Tech. A) | 1100 | MPa | ISO 178/A1 |
| Tensile Stress at Yield, (23 °C) | 17 | MPa | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 45 | kJ/m ² | ISO 179-1/1eA |
| (-30 °C) | 6 | kJ/m ² | ISO 179-1/1eA |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 130 | °C | ISO 306 |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 50 | °C | ISO 75A-1, -2 |

Notes

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

