

Technical Data Sheet

Hifax TRC 1230P E C12716

Polypropylene Compounds



Product Description

Hifax TRC 1230P E is a UV stabilised mineral filled polypropylene copolymer for injection moulding. It combines good flowability with high stiffness / very good impact properties and excellent scratch resistance. The grade has been specifically designed for moulding of bumpers and large complex exterior trim parts that requires good dimensional stability..

This product is also available in other colors, new colors can be developed depending on customer requirements.

| | |
|--------------------------|-----------------------------------|
| Application | Exterior Automotive Applications |
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | High Flow; High Impact Resistance |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 20 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 1.07 | g/cm ³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus, (23 °C, Tech. A) | 2300 | MPa | ISO 178/A1 |
| Tensile Stress at Yield, (23 °C) | 19 | MPa | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 40 | kJ/m ² | ISO 179-1/1eA |
| (-40 °C) | 3.5 | kJ/m ² | ISO 179-1/1eA |
| Thermal | | | |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 55 | °C | ISO 75B-1, -2 |

Notes

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

