

Technical Data Sheet

Hifax EP3080G

Polypropylene, Impact Copolymer



Product Description

Hifax EP3080G is non-filled polypropylene copolymer for injection molding with very high impact strength. The grade has good UV resistance designed for outdoor applications. The grade is natural, in pellet forms.

Hifax EP3080G is currently used by customers for the production of non-painted bumpers for automotive.

| | |
|-------------------|--|
| Application | Bumpers |
| Market | Automotive |
| Processing Method | Compounding; Injection Molding |
| Attribute | Good UV Resistance; High Impact Resistance |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 7.5 | g/10 min | ISO 1133-1 |
| Density, (23 °C, Method A) | 0.89 | g/cm ³ | ISO 1183-1 |
| Mechanical | | | |
| Flexural Modulus | 900 | MPa | ISO 178 |
| Tensile Stress at Break | 15 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 17 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break | 500 | % | ISO 527-1, -2 |
| Tensile Strain at Yield | 6 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 65 | kJ/m ² | ISO 179 |
| (-20 °C) | 15 | kJ/m ² | ISO 179 |
| (-30 °C) | 10 | kJ/m ² | ISO 179 |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 130 | °C | ISO 306 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 80 | °C | ISO 75B-1, -2 |
| DSC Melting Point | 163 | °C | ISO 11357-3 |

Notes

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

