

Hifax CB272

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax CB272 high melt flow, 900 MPa flexural modulus, low CLTE, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has a very good balance of rigidity and dimensional stability. It was designed for exterior ornamentation applications requiring low mold shrinkage, moderate stiffness and low thermal expansion characteristics.

| General Information | | | |
|---|----------------------------|-------------------|------------------------|
| Filler / Reinforcement | Mineral | | |
| Features | Good Dimensional Stability | | |
| | Good Impact Resistance | | |
| | High Flow | | |
| | Low Shrinkage | | |
| | Medium Rigidity | | |
| | Paintable | | |
| Uses | Automotive Applications | | |
| | Automotive Exterior Parts | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.10 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 18 | g/10 min | ASTM D1238, ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 13.0 | MPa | ISO 527-2 |
| Tensile Strain (Yield) | 15 | % | ISO 527-2 |
| Flexural Modulus | 900 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | | | ISO 180 |
| -40°C | 3.8 | kJ/m ² | |
| 23°C | 39 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature | | | |
| 0.45 MPa, Unannealed | 71.0 | °C | ISO 75-2/B |
| 1.8 MPa, Unannealed | 51.0 | °C | ISO 75-2/A |
| CLTE - Flow (-30 to 100°C) | 3.6E-5 | cm/cm/°C | ASTM E228, ISO 11359-2 |

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