

Hifax TRC 779P

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax TRC 779P high melt flow, 1,650 MPa flexural modulus, UV-stabilized, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed for use in multiple automotive exterior applications.

| General Information | | | |
|---|-----------------------------------|----------|-------------|
| Filler / Reinforcement | Mineral | | |
| Additive | UV Stabilizer | | |
| Features | Good Dimensional Stability | | |
| | Good Flow | | |
| | Good Impact Resistance | | |
| | Good Moldability | | |
| | Good Processability | | |
| | Good Weather Resistance | | |
| | High Stiffness | | |
| | Low Shrinkage | | |
| | Low Temperature Impact Resistance | | |
| | Paintable | | |
| Uses | Automotive Bumper | | |
| | Automotive Exterior Parts | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.03 | g/cm³ | ISO 1183/A |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 25 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield, 23°C) | 16.0 | MPa | ISO 527-2 |
| Tensile Strain (Yield, 23°C) | 4.0 | % | ISO 527-2 |
| Flexural Modulus (23°C) | 1650 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | | | ISO 180 |
| -30°C | 5.5 | kJ/m² | |
| 23°C | 45 | kJ/m² | |
| Multi-Axial Instrumented Impact Energy (-40°C, Energy to Peak Force, Ductile Failure) | 23.0 | J | |

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