

Technical Data Sheet

Polypropylene Compounds

Hifax TYC 1152X E BLACK



Product Description

Hifax TYC 1152X E BLACK is a very high melt flow, 16.5% talc filled PP copolymer with high impact resistance, high stiffness and low CLTE. It has an excellent balance of properties and processability, and is typically used for automotive exterior applications. This grade contains no UV stabilization and should be used for painted parts only.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

ApplicationBumpersMarketAutomotive

Processing Method Injection Molding

Attribute Good Impact Resistance; High Flow; Paintable

| | Nominal | | |
|---|---------|----------|---------------|
| Typical Properties | Value | Units | Test Method |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 30 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 1.02 | g/cm³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus, (23 °C, Tech. A) | 2000 | MPa | ISO 178/A1 |
| Tensile Stress at Yield, (23 °C) | 19 | MPa | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 38 | kJ/m² | ISO 179-1/1eA |
| (-40 °C) | 3.3 | kJ/m² | ISO 179-1/1eA |
| Thermal | | | |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 54 | °C | ISO 75A-1, -2 |