

Technical Data Sheet

Hifax TYC 1152P YGYA BLACK

Polypropylene Compounds

Product Description

Hifax TYC 1152P YGYA BLACK very high melt flow, 2,000 MPa flexural modulus, low density mineral filled, thermoplastic elastomeric olefin (TEO) resin. Enables part weight reduction and associated savings while maintaining all of the performance of traditional, higher density products. It has an excellent balance of properties and processability, and is typically used for automotive bumper fascias and exterior trim applications.

Regulatory Status

For regulatory compliance information, see *Hifax TYC 1152P YGYA BLACK* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

| | |
|--------------------------|---|
| Status | Commercial: Active |
| Availability | North America |
| Application | Automotive Parts; Bumpers; Exterior Automotive Applications |
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | Good Dimensional Stability; Good Processability; High Impact Resistance; High Stiffness; Low Density; Low Shrinkage |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 30 | g/10 min | ASTM D1238 |
| Density, (23 °C) | 1.01 | g/cm ³ | ISO 1183-1 |
| Mechanical | | | |
| Flexural Modulus, (23 °C) | 2000 | MPa | ISO 178 |
| Tensile Stress at Yield, (23 °C) | 20 | MPa | ISO 527-1, -2 |
| Impact | | | |
| Notched Izod Impact Strength | | | |
| (23 °C) | 35 | kJ/m ² | ISO 180 |
| (-40 °C) | 3.5 | kJ/m ² | ISO 180 |
| Additional Information | | | |
| Mold Shrinkage | | | ISO 294-4 |
| Please contact LyondellBasell for shrinkage recommendations. | | | |

Notes

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