

## Technical Data Sheet

### *Hifax* TRD 1341X Black



Polypropylene Compounds

#### Product Description

*Hifax* TRD 1341X Black is a carbon fiber reinforced, electrically conductive thermoplastic olefinic resin for injection molding applications. It combines high stiffness, cold temperature ductility, very low CLTE, and excellent dimensional stability. It is typically used for exterior automotive applications.

#### Regulatory Status

For regulatory compliance information, see *Hifax* TRD 1341X Black [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                   |                                                                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Status            | Developmental                                                                                                                                 |
| Availability      | North America                                                                                                                                 |
| Application       | Exterior Automotive Applications                                                                                                              |
| Market            | Automotive                                                                                                                                    |
| Processing Method | Injection Molding                                                                                                                             |
| Attribute         | Electrically Conductive; Good Dimensional Stability; Good Impact Resistance; High Stiffness; Low Shrinkage; Low Temperature Impact Resistance |

| Typical Properties                                           | Nominal Value | Units             | Test Method   |
|--------------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                              |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                             | 22            | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                             | 0.93          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                            |               |                   |               |
| Flexural Modulus<br>(22 °C)                                  | 2500          | MPa               | ISO 178       |
| Tensile Stress at Yield                                      | 22            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>                                                |               |                   |               |
| Charpy Impact Strength - Notched, (-30 °C)                   | 5.0           | kJ/m <sup>2</sup> | ISO 179       |
| <b>Electrical</b>                                            |               |                   |               |
| Specific Surface Resistivity                                 | 1e+5          | ohm/sq            | IEC 93        |
| <b>Additional Information</b>                                |               |                   |               |
| Mold Shrinkage                                               |               |                   | ISO 294-4     |
| Please contact LyondellBasell for shrinkage recommendations. |               |                   |               |