

## Technical Data Sheet

### Hifax TYC 1235X E BLACK



Polypropylene Compounds

#### Product Description

Hifax TYC 1235X E BLACK is a talc filled PP copolymer, with high melt flow rate, excellent surface appearance and good impact resistance. This grade is delivered in black color. This Data Sheet is giving general properties.

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

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Application       | Exterior Trim                                                  |
| Market            | Automotive                                                     |
| Processing Method | Injection Molding                                              |
| Attribute         | Good Impact Resistance; High Flow; Pleasing Surface Appearance |

| Typical Properties                                        | Nominal Value | Units             | Test Method   |
|-----------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                           |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 31            | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                          | 1.12          | g/cm <sup>3</sup> | ISO 1183-1/A  |
| <b>Mechanical</b>                                         |               |                   |               |
| Flexural Modulus, (23 °C, Tech. A)                        | 2400          | MPa               | ISO 178/A1    |
| Flexural Strength, (23 °C, Tech. A)                       | 30            | MPa               | ISO 178/A1    |
| Tensile Strength, (23 °C)                                 | 20            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                   |               |
| Notched Izod Impact Strength                              |               |                   |               |
| (23 °C)                                                   | 27            | kJ/m <sup>2</sup> | ISO 180/1A    |
| (-30 °C)                                                  | 3.5           | kJ/m <sup>2</sup> | ISO 180/1A    |
| <b>Thermal</b>                                            |               |                   |               |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 65            | °C                | ISO 75A-1, -2 |