

## Technical Data Sheet

### Hifax TYC 1235X E2 BLACK

Polypropylene Compounds



#### Product Description

Hifax TYC 1235X E2 Black is a 25 % talc filled PP copolymer with high flowability, high stiffness and good impact resistance. It is typically used for painted automotive exterior trim applications.

|                   |                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| Application       | Body Panels; Exterior Automotive Applications                                                                             |
| Market            | Automotive                                                                                                                |
| Processing Method | Injection Molding                                                                                                         |
| Attribute         | Good Dimensional Stability; Good Impact Resistance; Good Moldability; High Flow; High Stiffness; Low Shrinkage; Paintable |

| Typical Properties                                    | Nominal Value | Units             | Test Method   |
|-------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                       |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                      | 30            | g/10 min          | ISO 1133-1    |
| Density, (23 °C, Method A)                            | 1.07          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                     |               |                   |               |
| Flexural Modulus, (23 °C)                             | 2600          | MPa               | ISO 178       |
| <b>Impact</b>                                         |               |                   |               |
| Charpy Impact Strength - Notched                      |               |                   |               |
| (23 °C)                                               | 25            | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| (-40 °C)                                              | 3             | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| <b>Thermal</b>                                        |               |                   |               |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 110           | °C                | ISO 75B-1, -2 |

