



## Hifax TYC 852P E S82786

### Compounded Polyolefin

#### Product Description

Hifax TYC 852P E S82786 is a 22% talc filled PP copolymer, with high impact resistance and low CLTE (Coefficient of Linear Thermal Expansion). Product is available as a customized color matched, pellet form. This grade is delivered in S82786 color version.

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

#### Product Characteristics

|                               |  |
|-------------------------------|--|
| Status                        | Commercial   |
| Processing Method             | Injection molding  |
| Features                      | Impact resistance, CLTE (Coefficient of Linear Thermal Expansion). |
| Typical Customer Applications | Used for automotive unpainted exterior application.                |

| Typical Properties                       | Method        | Value | Unit              |
|--|---------------|-------|-------------------|
| <b>Physical</b>                          |               |       |                   |
| Melt Flow Rate (230 °C, 2.16 kg)         | ISO 1133      | 31    | g/10 min          |
| Density (23 °C)                          | ISO 1183-1/A  | 1.06  | g/cm <sup>3</sup> |
| <b>Mechanical</b>                        |               |       |                   |
| Tensile Stress at Yield (23 °C)          | ISO 527-1, -2 | 19    | MPa               |
| Flexural Modulus (23 °C) Tech. A         | ISO 178/A1    | 2000  | MPa               |
| <b>Impact</b>                            |               |       |                   |
| Charpy Impact Strength, notched (23 °C)  | ISO 179-1/1eA | 45    | kJ/m <sup>2</sup> |
| Charpy Impact Strength, notched (-40 °C) | ISO 179-1/1eA | 3.5   | kJ/m <sup>2</sup> |
| Izod Impact strength, notched (23 °C)    | ISO 180/1A    | 40    | kJ/m <sup>2</sup> |
| Izod Impact strength, notched (-40 °C)   | ISO 180/1A    | 4     | kJ/m <sup>2</sup> |
| <b>Thermal</b>                           |               |       |                   |
| Heat Deflection Temperature B (0.45 MPa) | ISO 75-1, -2  | 100   | °C                |

#### Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing.

