



## Hifax TYC 773P

### Compounded Polyolefin

#### Product Description

Hifax TYC 773P very high melt flow, 1,350 MPa flexural modulus, UV-stabilized, mineral-filled, paintable, thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed primarily for use in thin-walled bumper fascia applications.

#### Product Characteristics

|                               |                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status                        | Commercial: Active                                                                                                                                     |
| Test Method used              | ISO                                                                                                                                                    |
| Availability                  | North America                                                                                                                                          |
| Processing Methods            | Injection Molding                                                                                                                                      |
| Features                      | Good Dimensional Stability, High Flow , Good Impact Resistance , Good Moldability , Paintable, High Stiffness, Good Toughness, Good Weather Resistance |
| Typical Customer Applications | Bumpers                                                                                                                                                |

| Typical Properties                                         | Method              | Value   | Unit              |
|------------------------------------------------------------|---------------------|---------|-------------------|
| <b>Physical</b>                                            |                     |         |                   |
| Melt Flow Rate (230°C/2.16kg)                              | ASTM D 1238         | 22      | g/10 min          |
| Density (Method A)                                         | ISO 1183            | 0.97    | g/cm <sup>3</sup> |
| <b>Mechanical</b>                                          |                     |         |                   |
| Tensile Stress at Yield (23 °C)                            | ISO 527-1, -2       | 17      | MPa               |
| Tensile Strain at Break (23 °C)                            | ISO 527-1, -2       | 500     | %                 |
| Tensile Strain at Yield (23 °C)                            | ISO 527-1, -2       | 7       | %                 |
| Flexural modulus (23 °C)                                   | ISO 178             | 1350    | MPa               |
| <b>Impact</b>                                              |                     |         |                   |
| Notched izod impact strength                               | ISO 180             |         |                   |
| (-40 °C)                                                   |                     | 6.0     | kJ/m <sup>2</sup> |
| (23 °C)                                                    |                     | 50      | kJ/m <sup>2</sup> |
| <b>Hardness</b>                                            |                     |         |                   |
| Shore hardness D                                           | ISO 868/ASTM D 2240 | 60      |                   |
| <b>Thermal</b>                                             |                     |         |                   |
| CLTE, Flow (-22 to 212°F (-30 to 100°C))                   | ASTM D 696          | 5.3e-05 | cm/cm/°C          |
| Heat deflection temperature B (0.45 MPa) Unannealed        | ISO 75B-1, -2       | 100     | °C                |
| <b>Additional Information</b>                              |                     |         |                   |
| Mold shrinkage                                             | ISO 294-4           |         |                   |
| Note: Please contact Basell for shrinkage recommendations. |                     |         |                   |

#### Notes

Typical properties; not to be construed as specifications.