

## Hifax TRC 779P

### Compounded Polyolefin

#### Product Description

Hifax TRC 779P high melt flow, 1,650 MPa flexural modulus, UV-stabilized, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed for use in multiple automotive exterior applications.

#### Product Characteristics

|                               |                                                                                                                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Method used              | ISO                                                                                                                                                                                     |
| Processing Methods            | Injection Molding                                                                                                                                                                       |
| Features                      | Good Dimensional Stability, Good Flow, Good Impact Resistance , Low Temperature Impact Resistance, Good Moldability , Paintable, Low Shrinkage, High Stiffness, Good Weather Resistance |
| Typical Customer Applications | Bumpers, Exterior Applications                                                                                                                                                          |

| Typical Properties              | Method        | Value | Unit              |
|---------------------------------|---------------|-------|-------------------|
| <b>Physical</b>                 |               |       |                   |
| Melt Flow Rate (230°C/2.16kg)   | ASTM D 1238   | 25    | g/10 min          |
| Density (Method A)              | ISO 1183      | 1.03  | g/cm <sup>3</sup> |
| <b>Mechanical</b>               |               |       |                   |
| Tensile Stress at Yield (23 °C) | ISO 527-1, -2 | 16    | MPa               |
| Tensile Strain at Yield (23 °C) | ISO 527-1, -2 | 4     | %                 |
| Flexural modulus (23 °C)        | ISO 178       | 1650  | MPa               |
| <b>Impact</b>                   |               |       |                   |
| Notched izod impact strength    | ISO 180       |       |                   |
| (-30 °C)                        |               | 5.5   | kJ/m <sup>2</sup> |
| (23 °C)                         |               | 45    | kJ/m <sup>2</sup> |

#### Additional Information

Mold shrinkage ISO 294-4

Note: Please contact Basell for shrinkage recommendations.

#### Additional Properties

Multi-axial instrumented impact, energy at max load at -40°C (2.2 m/sec) = 23 J (ductile failure mode).

#### Notes

Typical properties; not to be construed as specifications.

