

## Technical Data Sheet

### Hifax TRC 779X C1 BLACK

Polypropylene Compounds



#### Product Description

Hifax TRC 779X C1 BLACK high melt flow, 1,700 MPa flexural modulus, 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.

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

| Typical Properties               | Nominal Value | Units             | Test Method   |
|----------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                  |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg) | 25            | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                 | 1             | g/cm <sup>3</sup> | ISO 1183-1/A  |
| <b>Mechanical</b>                |               |                   |               |
| Flexural Modulus                 | 1700          | MPa               | ISO 178       |
| Tensile Stress at Yield, (23 °C) | 18            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C) | 5             | %                 | ISO 527-1, -2 |
| <b>Impact</b>                    |               |                   |               |
| Notched Izod Impact Strength     |               |                   |               |
| (23 °C)                          | 46            | kJ/m <sup>2</sup> | ISO 180       |
| (-30 °C)                         | 6             | kJ/m <sup>2</sup> | ISO 180       |

