

## Technical Data Sheet

### Hifax TYC 1168P 1 RXF



Polypropylene Compounds

#### Product Description

Hifax TYC 1168P 1 RXF very high melt flow for easy and fast molding and has low density, which reduces part weight. It has good stiffness and excellent cold temperature impact. It is typically used for mold-in color exterior trim and fascia applications.

|                          |                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | Automotive Parts; Bumpers; Exterior Automotive Applications                                                                                          |
| <b>Market</b>            | Automotive                                                                                                                                           |
| <b>Processing Method</b> | Injection Molding                                                                                                                                    |
| <b>Attribute</b>         | Good Dimensional Stability; Good Flow; Good Impact Resistance; Good Moldability;<br>High Stiffness; Low Shrinkage; Low Temperature Impact Resistance |

| Typical Properties                                                                     | Nominal Value | Units             | Test Method   |
|----------------------------------------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                                                        |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                                                       | 35            | g/10 min          | ASTM D1238    |
| Density, (23 °C, Method A)                                                             | 0.98          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                                                      |               |                   |               |
| Flexural Modulus, (23 °C)                                                              | 1600          | MPa               | ISO 178       |
| Tensile Stress at Yield, (23 °C)                                                       | 18            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C)                                                       | >500          | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                                                          |               |                   |               |
| Charpy Impact Strength - Notched                                                       |               |                   |               |
| (23 °C)                                                                                | 54            | kJ/m <sup>2</sup> | ISO 179       |
| (-30 °C)                                                                               | 5.1           | kJ/m <sup>2</sup> | ISO 179       |
| Multi-axial Impact Strength, (-30 °C, 2.2 m/s, 3.2 mm plaque)<br>Failure Mode Ductile. | 22            | J                 | ASTM D3763    |
| <b>Additional Information</b>                                                          |               |                   |               |
| Mold Shrinkage                                                                         |               |                   | ISO 294-4     |
| Please contact LyondellBasell for shrinkage recommendations.                           |               |                   |               |