

## Technical Data Sheet

### Hifax TYC 459X NA BLACK

Polypropylene Compounds

#### Product Description

Hifax TYC 459X NA BLACK is a talc filled PP copolymer with very low shrinkage, high flowability, good impact/stiffness balance, and is typically used for painted automotive exterior applications. Product is available in black color pellet form.

#### Regulatory Status

For regulatory compliance information, see Hifax TYC 459X NA BLACK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                          |  |
|--------------------------|--|
| <b>Status</b>            | Developmental  |
| <b>Availability</b>      | North America  |
| <b>Application</b>       | Exterior Trim  |
| <b>Market</b>            | Automotive   |
| <b>Processing Method</b> | Injection Molding  |
| <b>Attribute</b>         | High Flow; High Stiffness; Low Coefficient of Linear Thermal Expansion; Low Shrinkage; Paintable |

| <b>Typical Properties</b>                 | <b>Nominal Value</b> | <b>Units</b>      | <b>Test Method</b> |
|---|----------------------|-------------------|--------------------|
| <b>Physical</b>                           |                      |                   |                    |
| Melt Flow Rate, (230 °C/2.16 kg)          | 28                   | g/10 min          | ISO 1133-1         |
| Density, (23 °C)                          | 1.06                 | g/cm <sup>3</sup> | ISO 1183-1/A       |
| <b>Mechanical</b>                         |                      |                   |                    |
| Flexural Modulus, (23 °C)                 | 1900                 | MPa               | ISO 178            |
| Tensile Stress at Yield, (23 °C)          | 18                   | MPa               | ISO 527-1, -2      |
| Tensile Strain at Break, (23 °C)          | 30                   | %                 | ISO 527-1, -2      |
| <b>Impact</b>                             |                      |                   |                    |
| Charpy Impact Strength - Notched, (23 °C) | 35                   | kJ/m <sup>2</sup> | ISO 179            |
| <b>Additional Information</b>             |                      |                   |                    |
| Mold Shrinkage                            |                      |                   | ISO 294-4          |

Please contact LyondellBasell for shrinkage recommendations.

#### Notes

These are typical property values not to be construed as specification limits.