

## Technical Data Sheet

### Hifax TYC 1168P C2 C12472

Polypropylene Compounds



#### Product Description

Hifax TYC 1168P C2 C12472 is very high melt flow for easy and fast molding and has low density. Good stiffness and excellent cold temperature impact. Material is formulated for mold-in color exterior trim and fascia applications.

#### Regulatory Status

For regulatory compliance information, see Hifax TYC 1168P C2 C12472 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

*This grade is not intended for medical, pharmaceutical, food and drinking water applications.*

|                          |                                           |
|--------------------------|-------------------------------------------|
| <b>Status</b>            | Commercial: Active                        |
| <b>Availability</b>      | Asia-Pacific                              |
| <b>Application</b>       | Bumpers; Exterior Automotive Applications |
| <b>Market</b>            | Automotive                                |
| <b>Processing Method</b> | Injection Molding                         |
| <b>Attribute</b>         | High Flow; Low Density                    |

| Typical Properties                  | Nominal Value | Units             | Test Method   |
|-------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                     |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)    | 35            | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                    | 0.98          | g/cm <sup>3</sup> | ISO 1183-1/A  |
| <b>Mechanical</b>                   |               |                   |               |
| Flexural Modulus, (23 °C, Tech. A)  | 1600          | MPa               | ISO 178/A1    |
| Tensile Stress at Yield, (23 °C)    | 18            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>                       |               |                   |               |
| Charpy Impact Strength - Notched    |               |                   |               |
| (23 °C, Type 1, Notch A)            | 50            | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| (-30 °C, Type 1, Edgewise, Notch A) | 5             | kJ/m <sup>2</sup> | ISO 179-1/1eA |

**Notes**

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

**Processing Techniques**

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

**Company Information**

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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Users should review the applicable Safety Data Sheet before handling the product.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:

- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

The product(s) may not be used in:

- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

In addition to the above, LyondellBasell may further prohibit or restrict the use of its products in certain applications. For further information, please contact a LyondellBasell representative.