

## Technical Data Sheet

### Hifax TRC 1230P YZ9A Black



Polypropylene Compounds

#### Product Description

Hifax TRC 1230P YZ9A Black thermoplastic polyolefin is typically used for automotive and heavy-truck applications that require energy management combined with ductility, stiffness and impact resistance over a broad temperature range. This material exhibits excellent processability and dimensional stability.

#### Regulatory Status

For regulatory compliance information, see Hifax TRC 1230P YZ9A Black [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Status            | Commercial: Active                                 |
| Availability      | North America                                      |
| Application       | Automotive Parts; Exterior Automotive Applications |
| Market            | Automotive                                         |
| Processing Method | Injection Molding                                  |

| Typical Properties                                           | Nominal Value | Units             | Test Method   |
|--------------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                              |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                             | 20            | g/10 min          | ISO 1133-1    |
| Density, (23 °C, Method A)                                   | 1.06          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                            |               |                   |               |
| Flexural Modulus                                             | 2150          | MPa               | ISO 178       |
| Tensile Stress at Yield, (23 °C)                             | 19            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>                                                |               |                   |               |
| Charpy Impact Strength - Notched, (23 °C)                    | 45            | kJ/m <sup>2</sup> | ISO 179       |
| Multi-axial Impact Strength, (23 °C)                         | 18            | J                 | ASTM D3763    |
| <b>Additional Information</b>                                |               |                   |               |
| Mold Shrinkage                                               |               |                   | ISO 294-4     |
| Please contact LyondellBasell for shrinkage recommendations. |               |                   |               |