

## Technical Data Sheet

### Hifax TYC 2149P S82589



Polypropylene Compounds

#### Product Description

Hifax TYC 2149P S82589 is a 12% talc filled PP copolymer, with excellent impact/stiffness balance, good flowability, very good surface appearance, very good UV resistance and excellent processability. Formula is improved to offer better aspect, especially on tiger stripes. Advanced technologies allowed for a significant reduction of mineral filler which contributed to the reduction of final part weight. Please contact lyondellbasell for shrinkage recommendations. The product is available in different color matched, pellet form. This grade is delivered in S82589 color version.

#### Regulatory Status

For regulatory compliance information, see Hifax TYC 2149P S82589 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

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

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Status            | Commercial: Active                                              |
| Availability      | Europe                                                          |
| Application       | Bumpers; Exterior Automotive Applications                       |
| Market            | Automotive                                                      |
| Processing Method | Injection Molding                                               |
| Attribute         | Good Flow; Good Processability; Good UV Resistance; Low Density |

| 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)                                          | 0.99          | g/cm <sup>3</sup> | ISO 1183-1/A  |
| <b>Mechanical</b>                                         |               |                   |               |
| Flexural Modulus, (23 °C, Tech. A)                        | 1500          | MPa               | ISO 178/A1    |
| Tensile Stress at Yield, (23 °C)                          | 17            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C)                          | 130           | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                   |               |
| Charpy Impact Strength - Notched                          |               |                   |               |
| (23 °C)                                                   | 29            | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| (-30 °C)                                                  | 3.5           | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| <b>Thermal</b>                                            |               |                   |               |
| Vicat Softening Temperature, (A50)                        | 125           | °C                | ISO 306       |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 90            | °C                | ISO 75B-1, -2 |

#### Notes

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