

## Technical Data Sheet

### Hifax ERC 2014P 3004



Polypropylene Compounds

#### Product Description

Hifax ERC 2014P is a 10% talc filled PP copolymer. Advanced technologies allowed for a significant properties improvement e.g. high flowability, high scratch resistance, high UV resistance, low emissions and weight savings. The product is available in different color matched, pellet form. This grade is delivered in 3004 color version.

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Application       | Exterior Trim                                                      |
| Market            | Automotive                                                         |
| Processing Method | Injection Molding                                                  |
| Attribute         | Good UV Resistance; High Flow; Low VOC Emission; Scratch Resistant |

| 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)                                          | 0.97          | g/cm <sup>3</sup> | ISO 1183-1/A  |
| <b>Mechanical</b>                                         |               |                   |               |
| Flexural Modulus, (23 °C, Tech. A)                        | 2100          | MPa               | ISO 178/A1    |
| Tensile Stress at Yield, (23 °C)                          | 25            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C)                          | 50            | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                   |               |
| Charpy Impact Strength - Notched                          |               |                   |               |
| (23 °C)                                                   | 6.5           | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| (-30 °C)                                                  | 2.5           | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| <b>Thermal</b>                                            |               |                   |               |
| Vicat Softening Temperature, (A50)                        | 145           | °C                | ISO 306       |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 110           | °C                | ISO 75B-1, -2 |

