

## Technical Data Sheet

### Hifax TKC 461P 3004

Polypropylene Compounds



#### Product Description

Hifax TKC 461P 3004 is a 12% talc filled PP copolymer, with very low shrinkage, good impact resistance and high UV resistance. The product is available in different color matched, pellet form. This grade is delivered in 3004 color version.

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | Bumpers                                                                                                |
| <b>Market</b>            | Automotive                                                                                             |
| <b>Processing Method</b> | Injection Molding                                                                                      |
| <b>Attribute</b>         | Good Impact Resistance; Good UV Resistance; Low Coefficient of Linear Thermal Expansion; Low Shrinkage |

| Typical Properties                                        | Nominal Value | Units             | Test Method   |
|-----------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                           |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 10            | 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)                        | 1500          | MPa               | ISO 178/A1    |
| Tensile Stress at Yield, (23 °C)                          | 17            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C)                          | 400           | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                   |               |
| Charpy Impact Strength - Notched                          |               |                   |               |
| (23 °C)                                                   | 55            | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| (-30 °C)                                                  | 7             | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| <b>Thermal</b>                                            |               |                   |               |
| Vicat Softening Temperature, (A50)                        | 130           | °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.

