

## Technical Data Sheet

### Hifax TKC 220P G12761

Polypropylene Compounds



#### Product Description

Hifax TKC 220P G12761 is a 15% talc filled PP copolymer, with high impact resistance and outstanding scratch resistance. Product is available as a customized color matched, pellet form. This grade is delivered in G12761 color version.

|                   |                                           |
|-------------------|-------------------------------------------|
| Application       | Bumpers                                   |
| Market            | Automotive                                |
| Processing Method | Injection Molding                         |
| Attribute         | High Impact Resistance; Scratch Resistant |

| Typical Properties                                        | Nominal Value | Units             | Test Method   |
|-----------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                           |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 14            | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                          | 1.02          | g/cm <sup>3</sup> | ISO 1183-1/A  |
| <b>Mechanical</b>                                         |               |                   |               |
| Flexural Modulus, (23 °C, Tech. A)                        | 1400          | MPa               | ISO 178/A1    |
| Tensile Stress at Yield, (23 °C)                          | 19            | MPa               | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                   |               |
| Charpy Impact Strength - Notched                          |               |                   |               |
| (23 °C)                                                   | 50            | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| (-40 °C)                                                  | 3             | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| Notched Izod Impact Strength                              |               |                   |               |
| (23 °C)                                                   | 45            | kJ/m <sup>2</sup> | ISO 180/1A    |
| (-40 °C)                                                  | 4             | kJ/m <sup>2</sup> | ISO 180/1A    |
| <b>Thermal</b>                                            |               |                   |               |
| 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.

