

Technical Data Sheet

Hifax TKC 461P NA 3004 BLACK



Polypropylene Compounds

Product Description

Hifax TKC 461P NA 3004 BLACK is a 12% talc filled thermoplastic polyolefin (TPO) resin, with very low shrinkage, good impact resistance and high UV resistance. The product is available in different color matched, pellet form delivered in 3004 color version.

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

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

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 10 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 0.98 | g/cm ³ | ISO 1183-1/A |
| Mechanical | | | |
| 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 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 55 | kJ/m ² | ISO 179-1/1eA |
| (-30 °C) | 6 | kJ/m ² | ISO 179-1/1eA |
| Thermal | | | |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 88 | °C | ISO 75B-1, -2 |