Technical Data Sheet

Hifax TYC 459P S82589

Polypropylene Compounds

Product Description

Hifax TYC 459P S82589 is a 21% talc filled PP copolymer, with very low shrinkage, high flowability, good impact/stiffness balance and high UV resistance. Product is available as a customized color matched, pellet form. This grade is delivered in S82589 color version.

The grade being in development, this is a preliminary datasheet subjected to changes after product industrialization.

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

| Application | Exterior Trim |
|-------------------|---|
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | Good UV Resistance; High Stiffness; Low Shrinkage |

| | Nominal | | |
|---|---------|----------|---------------|
| Typical Properties | Value | Units | Test Method |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 32 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 1.06 | g/cm³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus, (23 °C, Tech. A) | 2100 | MPa | ISO 178/A1 |
| Tensile Stress at Yield, (23 °C) | 18 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C) | 40 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 20 | kJ/m² | ISO 179-1/1eA |
| (-30 °C) | 3.5 | kJ/m² | ISO 179-1/1eA |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 124 | °C | ISO 306 |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 108 | °C | ISO 75B-1, -2 |



