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.

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

Typical Properties	Nominal 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

Notes

These are typical property values not to be construed as specification limits.