

Technical Data Sheet

Hifax TYC 459X BLACK



Polypropylene Compounds

Product Description

Hifax TYC 459X Black is a 23% talc filled PP copolymer, with very low shrinkage, high flowability, good impact/stiffness balance for painted automotive exterior applications. Product is available in black color, pellet form.

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

Application	Exterior Trim
Market	Automotive
Processing Method	Injection Molding
Attribute	High Flow; High Stiffness; Low Coefficient of Linear Thermal Expansion; Low Shrinkage; Paintable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	28	g/10 min	ISO 1133-1
Density, (23 °C)	1.05	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2000	MPa	ISO 178/A1
Tensile Stress at Yield, (23 °C)	18	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	30	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	35	kJ/m ²	ISO 179-1/1eA
(-30 °C)	5	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	125	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2