

Technical Data Sheet

Hifax TYC 568X C1 BLACK



Polypropylene Compounds

Product Description

HIFAXTYC 568X C1 Black is a mineral reinforced, impact modified polypropylene copolymer for injection molding. It combines very high rigidity with a low coefficient of linear thermal expansion (CLTE) and very good processability for body panel applications. The grade has been specifically designed for molding of large complex parts that require good dimensional.

Application	Body Panels; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Good Impact Resistance; Good Processability; Impact Modified; Low Shrinkage; Paintable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density, (23 °C)	1.14	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	3000	MPa	ISO 178/A1
Tensile Strength, (23 °C)	20	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C)	16	kJ/m ²	ISO 180/1A
(-30 °C)	3	kJ/m ²	ISO 180/1A
Thermal			
Coefficient of Linear Thermal Expansion (CLTE), Flow	45*10-6	cm/cm/°C	ISO 11359-1, -2