

Hifax EYG 382P C12716

Polypropylene Copolymer

LyondellBasell Industries

Message:

Hifax EYG 382P is a 27% glass coupled PP copolymer with high flow, very high stiffness and low CLTE. Low creep under load at elevated temperatures. The product contains an UV stabilisation designed for outdoor application.

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

General Information	
Filler / Reinforcement	Glass Fiber,27% Filler by Weight
Additive	UV Stabilizer
Features	Chemically Coupled Copolymer Good Creep Resistance High Flow High Stiffness
Uses	Automotive Applications Automotive Exterior Parts

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	6000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	75.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	3.0	%	ISO 527-2/50
Flexural Modulus - Secant	5500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A

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