POLIFOR® CL15 GF/30 H3 X3

POLIFOR®

Polypropylene, copolymer, 30% glass fiber reinforced, chemically coupled, Heat stabilized; based on recycled plastics, content depends on plastics availability

Product information

Resin Identification	PP-GF30	ISO 1043
Part Marking Code	>PP-GF30<	ISO 11469

Rheological properties

Melt mass-flow rate	6	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage range, parallel	0.2 - 0.5	%	ISO 294-4, 2577
Molding shrinkage range, normal	0.4 - 0.7	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	856000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	8990	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	5	%	ISO 527-1/-2
Flexural modulus	798000	psi	ISO 178
Charpy impact strength, 23°C	26.2	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	7.14	ftlb/in²	ISO 179/1eA

Thermal properties

Temperature of deflection under load, 1.8 MPa	273	°F	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	0.11	E-4/°F	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	0.944	E-4/°F	ISO 11359-1/-2

Physical/Other properties

Density	0.0408	lb/in³	ISO 1183

Automotive

OEM	STANDARD
Stellantis	MS.50042 / PP-C-R.GF30.5000F.10I
VW Group	VW 44045

Characteristics

Processing	Injection Molding
Special characteristics	Heat stabilized or stable to heat

Revised: 2024-11-26 Source: Celanese Materials Database

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