POLIFOR® CL3 GF/30

POLIFOR®

Polypropylene, copolymer, 30% glass fiber reinforced, chemically coupled

Product information

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

Rheological properties

Melt mass-flow rate	3	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	899000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	9860	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.5	%	ISO 527-1/-2
Flexural modulus	841000	psi	ISO 178
Charpy impact strength, 23°C	38.1	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	9.51	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	9.51	ftlb/in²	ISO 180/1A

Thermal properties

Temperature of deflection under load, 1.8 MPa	280	°F	ISO 75-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	0.0591	in	IEC 60695-11-10
UL recognition	yes		UL 94
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.1260	in	IEC 60695-11-10

Physical/Other properties

Density	0.0404	lb/in³	ISO 1183

Characteristics

Processing	Injection Molding

Revised: 2024-01-23 Source: Celanese Materials Database

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