

ESTAPROP H 05100GFC

Polypropylene Homopolymer

Cossa Polimeri S.r.l.

Message:

ESTAPROP H 05100GFC is a Polypropylene Homopolymer (PP Homopolymer) product filled with 50% glass fiber. It is available in Europe. Typical application: Furniture.
Characteristics include:
Flame Rated
Chemically Coupled
High Stiffness
Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Chemically Coupled		
	High Impact Resistance		
	High Stiffness		
Uses	Furniture		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ASTM D638
Tensile Strength (Break)	110	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strain at Break	150	%	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	110	J/m	
0°C	130	J/m	
23°C	150	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	155	°C	ASTM D648
Vicat Softening Temperature	145	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		

3.20 mm

HB

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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Recommended distributors for this material

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