

ESTAPROP H 0540 GFC

Polypropylene Homopolymer

Cossa Polimeri S.r.l.

Message:

ESTAPROP H 0540 GFC is a Polypropylene Homopolymer (PP Homopolymer) product filled with 20% glass fiber. It is available in Europe. Typical application: Automotive.
Characteristics include:
Flame Rated
Chemically Coupled

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4600	MPa	ASTM D638
Tensile Strength (Break)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4300	MPa	ASTM D790
Flexural Strain at Break	100	%	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	50	J/m	
0°C	80	J/m	
23°C	100	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	°C	ASTM D648
Vicat Softening Temperature	120	°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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