

ESTAPROP H 1080 TG

Polypropylene Homopolymer

Cossa Polimeri S.r.l.

Message:

ESTAPROP H 1080 TG is a Polypropylene Homopolymer (PP Homopolymer) product filled with 40% mineral. It is available in Europe. Typical application: Automotive.

Characteristics include:

Flame Rated

Good Dimensional Stability

High Stiffness

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Good Dimensional Stability		
	High Stiffness		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4100	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	30.0	MPa	
Break	25.0	MPa	
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	3800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	15	J/m	
0°C	20	J/m	
23°C	30	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.0	°C	ASTM D648
Vicat Softening Temperature	97.0	°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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