

Pro PP-CO-20T

Polypropylene Copolymer
Pro Polymers

Message:

PP-CO-20T is a 20% Talc Filled, Polypropylene Copolymer.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Copolymer		
Uses	Battery box		
	Electrical appliances		
	Furniture		
	Shell		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow: 3.18mm	1.1	%	ASTM D955
Transverse flow: 3.18mm	1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	81	J/m	ASTM D256
Dart Drop Impact	2.80	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	113	°C	ASTM D648
1.8 MPa, not annealed	58.0	°C	ASTM D648
Additional Information			

Melt Flow Rate, ASTM D1238, 230°C/2.1kgf: 8 to 12 g/10 min

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