

EnCom T CPP 2005

Polypropylene

EnCom, Inc.

Message:

20 % Talc Filled CoPolymer PP

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Uses	Automotive Applications		
	Business Equipment		
	Lawn and Garden Equipment		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.1	MPa	ASTM D638
Tensile Elongation (Break)	22	%	ASTM D638
Flexural Modulus	1640	MPa	ASTM D790
Flexural Strength (Yield)	33.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Unnotched Izod Impact (23°C)	880	J/m	ASTM D256
Gardner Impact	23.2	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	117	°C	
1.8 MPa, Unannealed	62.2	°C	
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	2.0E-3	%	

Rear Temperature	188 to 216	°C
Middle Temperature	199 to 232	°C
Front Temperature	199 to 232	°C
Nozzle Temperature	193 to 227	°C
Processing (Melt) Temp	204 to 260	°C
Mold Temperature	18.3 to 54.4	°C

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