

EnCom M20 PBET

Thermoplastic Polyester

EnCom, Inc.

Message:

Mineral Filled Polyester

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Uses	Automotive Applications		
	Industrial Applications		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	60	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	66.2	MPa	ASTM D638
Flexural Modulus	4100	MPa	ASTM D790
Flexural Strength (Yield)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	186	°C	
1.8 MPa, Unannealed	104	°C	
CLTE - Flow	3.1E-5	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	260 to 288	°C	
Middle Temperature	266 to 302	°C	
Front Temperature	271 to 310	°C	

Nozzle Temperature	277 to 310	°C
Processing (Melt) Temp	277 to 310	°C
Mold Temperature	93.3 to 116	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

