

TEKASTER™ F10G30FR

Polybutylene Terephthalate
Mando Advanced Materials Co., Ltd.

Message:

F10G30FR is GF 30% reinforced Polybutylene terephthalate(PBT). F10G30FR has good properties with flammability UL94 V_0

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	127	MPa	ASTM D638
Tensile Elongation ² (Break)	2.0	%	ASTM D638
Flexural Modulus ³	9120	MPa	ASTM D790
Flexural Strength ⁴	183	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	220	°C	ASTM D648
1.8 MPa, not annealed	210	°C	ASTM D648
Peak Melting Temperature	225	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 120	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	230 - 250	°C	
Middle Temperature	230 - 250	°C	
Front Temperature	230 - 250	°C	
Nozzle Temperature	240 - 260	°C	
Processing (Melt) Temp	230 - 260	°C	
Mold Temperature	60.0 - 80.0	°C	
Injection instructions			
Injection Speed: 30 to 70%Injection Pressure - 1st: 20 to 50%Injection Pressure - 2nd: 20 to 50%Injection Pressure - Back Pressure: 0 to 20%			
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	3.0 mm/min		

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Recommended distributors for this material

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