

TEKASTER™ F10G15M

Polybutylene Terephthalate
Mando Advanced Materials Co., Ltd.

Message:

F10G15M is GF15% reinforced Polybutylene terephthalate(PBT). F10G15M has impact modified product.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
Uses	Electrical/Electronic Applications Switch		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm³	ASTM D792
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	90.2	MPa	ASTM D638
Tensile Elongation ² (Break)	3.0	%	ASTM D638
Flexural Modulus ³	5150	MPa	ASTM D790
Flexural Strength ⁴	142	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	78	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	200	°C	ASTM D648
Peak Melting Temperature	225	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating	HB		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
4.	3.0 mm/min

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Recommended distributors for this material

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