

TEKASTER™ F615G55

Polyethylene Terephthalate
Mando Advanced Materials Co., Ltd.

Message:

F615G55 is GF 55% reinforced polyethylene terephthalate (PET). F615G55 has good mechanical properties.

General Information			
Filler / Reinforcement	Glass Fiber,55% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.77	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	188	MPa	ASTM D638
Tensile Elongation ² (Break)	2.0	%	ASTM D638
Flexural Modulus ³	17900	MPa	ASTM D790
Flexural Strength ⁴	289	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	246	°C	
1.8 MPa, Unannealed	229	°C	
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	245 to 255	°C	
Middle Temperature	250 to 260	°C	
Front Temperature	255 to 265	°C	
Nozzle Temperature	255 to 265	°C	
Processing (Melt) Temp	255 to 265	°C	
Mold Temperature	80.0 to 100	°C	
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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