

# TEKASTER™ F615G45

Polyethylene Terephthalate  
Mando Advanced Materials Co., Ltd.

Message:

TEKASTER™ F615G45 is a Polyethylene Terephthalate (PET) product filled with 45% glass fiber. It is available in Asia Pacific.  
Characteristics include:  
Good Flexibility  
High Stiffness

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	Good Flexibility		
	High Stiffness		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.69	g/cm³	ASTM D792
Molding Shrinkage <sup>1</sup>			ASTM D955
Flow	0.20	%	
Across Flow	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	191	MPa	ASTM D638
Tensile Elongation (Break)	2.1	%	ASTM D638
Flexural Modulus	13500	MPa	ASTM D790
Flexural Strength	294	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	240	°C	
1.8 MPa, Unannealed	215	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	270 to 300	°C	
Mold Temperature	80.0 to 100	°C	
NOTE			
1.	60°C Mold Temperature		

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Recommended distributors for this material

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