

# Chiao Fu PBT PBT819G20 NAT

Polybutylene Terephthalate

Chiao Fu Enterprises Co., Ltd.

## Message:

Chiao Fu PBT PBT819G20 NAT is a Polybutylene Terephthalate (PBT) product filled with 20% glass fiber. It is available in Asia Pacific, Europe, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E135541-222605		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
UL File Number	E135541		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	< 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	10.8	MPa	ASTM D638
Tensile Elongation (Break)	< 5.0	%	ASTM D638
Flexural Modulus	6470	MPa	ASTM D790
Flexural Strength	177	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	205	°C	ASTM D648
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI Str	75.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (0.810 mm)	V-0	UL 94	

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## Recommended distributors for this material

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