

Pibiter® NRV210AE GRIGIO272

Polybutylene Terephthalate

SO.F.TER. SPA

Message:

10% glass fiber reinforced, flame retardant PBT grade

General Information			
UL YellowCard	E187982-101341047	E187982-101341049	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Flame Retardant		
Agency Ratings	EC 1907/2006 (REACH)		
UL File Number	E187982		
Appearance	Grey		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage	0.60	%	Internal Method
Water Absorption			
23°C, 24 hr	0.050	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.35	%	ISO 62
Ash Content	10	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5200	MPa	ASTM D638
Tensile Strength (Break)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	5000	MPa	ASTM D790
Flexural Strength	125	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	45	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	3.0	hr	
Rear Temperature	235	°C	
Middle Temperature	245	°C	
Front Temperature	250	°C	
Mold Temperature	60.0 to 80.0	°C	

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Recommended distributors for this material

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