

Pibiter® HI C3311 NERO900

Polybutylene Terephthalate

SO.F.TER. SPA

Message:

PBT/PC alloy, high impact properties, medium fluidity

General Information			
Features	High Impact Resistance		
	Medium Flow		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage	0.80	%	Internal Method
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	50.0	MPa	
Break	46.0	MPa	
Tensile Elongation (Break)	170	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	600	J/m	
23°C	800	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	110	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	245	°C	
Middle Temperature	255	°C	
Front Temperature	260	°C	
Mold Temperature	80.0 to 100	°C	

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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