

Pibiflex® RFB40011 NERO

Thermoplastic Copolyester Elastomer

SO.F.TER. SPA

Message:

Pibiflex® RFB40011 NERO is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Europe, Latin America, or North America for blow molding. Primary attribute of Pibiflex® RFB40011 NERO: REACH Compliant.
Typical application of Pibiflex® RFB40011 NERO: Automotive

General Information			
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	28.0	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	No Break		
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	214	°C	ASTM D3417
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0	hr	
Rear Temperature	220	°C	
Middle Temperature	240	°C	
Front Temperature	250	°C	
Mold Temperature	50.0 to 70.0	°C	

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Recommended distributors for this material

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