

Pibiflex® 8394 NATURALE

Thermoplastic Copolyester Elastomer
SO.F.TER. SPA

Message:

Pibiflex® 8394 NATURALE is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Europe, Latin America, or North America for injection molding. Primary attribute of Pibiflex® 8394 NATURALE: REACH Compliant.

General Information			
Features	General Purpose		
Uses	General Purpose		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	32.0	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	73.0	°C	ASTM D648
Vicat Softening Temperature	175	°C	ASTM D1525 ¹
Peak Melting Temperature	198	°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	
NOTE			

1. Rate B (120°C/h), Loading 1 (10 N)

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Recommended distributors for this material

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