

Pibiflex® E5888 NATURALE

Thermoplastic Copolyester Elastomer

SO.F.TER. SPA

Message:

Extrusion TPC grade, medium flexural modulus

General Information			
Features	Good Stiffness		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	2.5	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	40.0	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	198	°C	ASTM D1525 ¹
Peak Melting Temperature	218	°C	ASTM D3417
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	20	%	ASTM D2863
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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