

Pibiflex® B50518T2 NERO

Thermoplastic Copolyester Elastomer

SO.F.TER. SPA

Message:

Blow moulding TPC grade for the production of air ducts

General Information			
Uses	Automotive Applications		
	Blow Molding Applications		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	1.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	30.0	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Flexural Modulus	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-50°C	150	J/m	
-40°C	500	J/m	
-10°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	175	°C	ASTM D1525 ¹
Peak Melting Temperature	205	°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			

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Recommended distributors for this material

Susheng Import & Export Trading Co., Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

