

Dryflex® 880123

Styrene Ethylene Butylene Styrene Block Copolymer
ELASTO

Message:

Dryflex 880123: Thermoplastic Elastomer
Material Type: TPS-SEBS
Hardness 49 Shore A (4mm)
Service Temperature Range: -50 -- +90 °C (unstressed material)
Colour: Translucent, but can be available in any colour.
Presentation: Free flowing pellets that can be processed without predrying, when stored under normal conditions.
Weather Resistance: Excellent
Chemical Resistance: Good (excluding organic solvents, aromatic- and vegetable oils)
Recyclability: 100% recyclable

General Information			
Features	Good Chemical Resistance		
	Good Colorability		
	Good Processability		
	Good Weather Resistance		
	Recyclable Material		
Appearance	Colors Available		
	Translucent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 4.00 mm)	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ASTM D638
100% Secant	1.30	MPa	
300% Secant	1.90	MPa	
Tensile Strength	9.00	MPa	ASTM D638
Tensile Elongation (Break)	850	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	20.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	

Service Temperature - Unstressed Material	-50 to 90	°C
Injection	Nominal Value	Unit
Rear Temperature	180 to 210	°C
Middle Temperature	180 to 210	°C
Front Temperature	180 to 210	°C
Mold Temperature	20.0 to 50.0	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 to 210	°C
Cylinder Zone 2 Temp.	150 to 210	°C
Cylinder Zone 3 Temp.	150 to 210	°C
Cylinder Zone 4 Temp.	150 to 210	°C
Cylinder Zone 5 Temp.	150 to 210	°C

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Recommended distributors for this material

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