

Dryflex® 880240

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

Dryflex 880240: Thermoplastic Elastomer

Material Type: TPS-SEBS

Hardness 32 Shore 00

Service Temperature Range: -50 to +50 °C (unstressed material)

Colour: Translucent green, but can be available in any colour.

Presentation: Free flowing pellets that can be processed without predrying, when stored under normal conditions.

Weather Resistance: Good

Chemical Resistance: Good (excluding organic solvents, aromatic- and vegetable oils)

Recyclability: 100% recyclable

Processing: The material has excellent processing characteristics and can be processed using conventional thermoplastic fabricating methods, including injection moulding and extrusion.

General Information			
Features	Recyclable materials		
	Workability, good		
	Good coloring		
	Good chemical resistance		
	Good weather resistance		
Appearance	Translucent		
	Available colors		
	Green		
Forms	Particle		
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) (150°C/0.325 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore OO)	32		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ASTM D638
100% secant	0.100	MPa	ASTM D638
300% secant	0.100	MPa	ASTM D638
Tensile Strength	0.600	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method

Tear Strength	6.50	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Service Temperature - Unstressed Material	-50 - 50	°C	
Injection	Nominal Value	Unit	
Rear Temperature	150 - 210	°C	
Middle Temperature	150 - 210	°C	
Front Temperature	150 - 210	°C	
Mold Temperature	10 - 40	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 - 210	°C	
Cylinder Zone 2 Temp.	150 - 210	°C	
Cylinder Zone 3 Temp.	150 - 210	°C	
Cylinder Zone 4 Temp.	150 - 210	°C	
Cylinder Zone 5 Temp.	150 - 210	°C	

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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

