

Dryflex® T709

Styrene Ethylene Butylene Styrene Block Copolymer
ELASTO

Message:

Dryflex T709: Thermoplastic Elastomer
Material Type: TPS-SEBS
Hardness 70 Shore A (4mm)
Service Temperature Range: -50 -- +100 °C (unstressed material)
Colour: Transparent, 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	Clear/Transparent		
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)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ASTM D638
100% Secant	3.00	MPa	
300% Secant	4.80	MPa	
Tensile Strength	8.00	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	42.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Service Temperature ¹	-50 to 100	°C	
Injection	Nominal Value	Unit	
Rear Temperature	140 to 200	°C	

Middle Temperature	140 to 200	°C
Front Temperature	140 to 200	°C
Mold Temperature	20.0 to 50.0	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	110 to 170	°C
Cylinder Zone 2 Temp.	110 to 170	°C
Cylinder Zone 3 Temp.	110 to 170	°C
Cylinder Zone 4 Temp.	110 to 170	°C
Cylinder Zone 5 Temp.	110 to 170	°C
NOTE		

1.

Unstressed Material

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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



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