

Dryflex® 670271

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

Dryflex 670271: Thermoplastic Elastomer
Material Type: TPS-SEBS
Hardness: 27 Shore 00
Service Temperature Range: -50 -- +70°C (unstressed material)
Colour: Natural, 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	Excellent Processability		
	Recyclable materials		
	Good chemical resistance		
	Good weather resistance		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
150°C/0.325 kg	2.1	g/10 min	ASTM D1238
150°C/2.16 kg	50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore OO)	27		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	0.900	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	4.40	kN/m	ASTM D624
Thermal	Nominal Value	Unit	

Service Temperature ¹	-50 - 70	°C
Injection	Nominal Value	Unit
Rear Temperature	140 - 210	°C
Middle Temperature	140 - 210	°C
Front Temperature	140 - 210	°C
Mold Temperature	15 - 50	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 - 210	°C
Cylinder Zone 3 Temp.	150 - 210	°C
Cylinder Zone 5 Temp.	150 - 210	°C
NOTE		
1.	Unstressed Material	

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Recommended distributors for this material

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