

# Dryflex® 500001

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

Dryflex 500001: Thermoplastic Elastomer  
Material Type: TPS-SEBS  
Hardness: 35 Shore 00  
Service Temperature Range: -50 -- +70°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: Good  
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	Translucent		
	Available colors		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore OO)	35		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ASTM D638
100% secant	0.100	MPa	ASTM D638
300% secant	0.200	MPa	ASTM D638
Tensile Strength	1.10	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	4.90	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Service Temperature <sup>1</sup>	-50 - 70	°C	
Injection	Nominal Value	Unit	
Rear Temperature	150 - 200	°C	

Middle Temperature	150 - 200	°C
Front Temperature	150 - 200	°C
Mold Temperature	10 - 30	°C

NOTE

1. Unstressed Material

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Recommended distributors for this material

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