

# Dryflex® 51712 SE

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

## Message:

Dryflex 51712 SE: Thermoplastic Elastomer

Base Material: TPS-SEBS

Hardness: 60 Shore A

Service Temperature Range: -50 to +125°C (unstressed material)

Colour: Natural, but can easily be coloured in any shade

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

Weather Resistance: Excellent

Ozone-/UV- Resistance: Excellent

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

Recycling: 100% recyclable

Mould Shrinkage (linear): Appr. 0.75 - 2% depending on e.g. shape of the detail and placement of gate

Bonds to: PP, PE

General Information			
Features	Good UV resistance		
	Recyclable materials		
	Ozone resistance		
	Good chemical resistance		
	Good weather resistance		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm <sup>3</sup>	ISO 2781
Molding Shrinkage	0.75 - 2.0	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.00	MPa	ISO 37
Tensile Stress (Yield)	7.00	MPa	ISO 37
Tensile Elongation (Break)	600	%	ISO 37
Tear Strength <sup>1</sup>	30	kN/m	ISO 34-1
Thermal	Nominal Value	Unit	
Service Temperature <sup>2</sup>	-50 - 125	°C	
Injection	Nominal Value	Unit	

Rear Temperature	180 - 210	°C
Middle Temperature	180 - 210	°C
Front Temperature	180 - 210	°C
Mold Temperature	30 - 60	°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
NOTE		
1.	C method: crescent sample	
2.	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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