

# Dryflex® 51309

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

## Message:

Dryflex 51309: Thermoplastic Elastomer

Base Material: TPS-SEBS

Hardness: 70 Shore A

Service Temperature Range: -50 to +120°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 Chemical Resistance		
	Good UV Resistance		
	Good Weather Resistance		
	Ozone Resistant		
	Recyclable Material		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 2781
Molding Shrinkage	0.75 to 2.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	70		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	10.0	MPa	ISO 37
Tensile Elongation (Break)	640	%	ISO 37
Compression Set			ISO 815
23°C, 72 hr	20	%	
70°C, 22 hr	41	%	
Injection	Nominal Value	Unit	
Rear Temperature	170 to 220	°C	

Middle Temperature	170 to 220	°C
Front Temperature	170 to 220	°C
Mold Temperature	30.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 to 210	°C
Cylinder Zone 2 Temp.	150 to 210	°C
Cylinder Zone 3 Temp.	150 to 210	°C
Cylinder Zone 4 Temp.	150 to 210	°C
Cylinder Zone 5 Temp.	150 to 210	°C

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#### Recommended distributors for this material

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