

# Dryflex® 652800

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

## Message:

Dryflex 652800: Thermoplastic Elastomer

Base Material: TPS-SEBS

Hardness: 80 Shore A

Service Temperature Range: -50 to +150°C (Unstressed Material).

Colour: Black, 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

Special Features: This material has improved properties at high temperatures.

General Information			
Features	Good Chemical Resistance Good UV Resistance Good Weather Resistance High Heat Resistance Ozone Resistant Recyclable Material		
Appearance	Black Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.07	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)	80		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	5.90	MPa	ISO 37
Tensile Stress (Yield)	12.0	MPa	ISO 37
Tensile Elongation (Break)	600	%	ISO 37
Tear Strength <sup>1</sup>	29	kN/m	ISO 34-1
Thermal	Nominal Value	Unit	
Service Temperature - Unstressed	-50 to 150	°C	
Injection	Nominal Value	Unit	
Rear Temperature	190 to 230	°C	
Middle Temperature	190 to 230	°C	

Front Temperature	190 to 230	°C
Mold Temperature	40.0 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
NOTE		

1. Method C, Crescent

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#### Recommended distributors for this material

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