

Dryflex® A1 602502

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

Dryflex A1 602502: Thermoplastic Elastomer
Material Type: TPS-SEBS
Hardness: 54 Shore A (4mm)
Service Temperature Range: -50 -- +125 °C (unstressed material)
Colour: Black, but the base material 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
The material is modified to give good adhesion to PA

General Information			
Features	Recyclable materials		
	Workability, good		
	Good coloring		
	Good adhesion		
	Good chemical resistance		
	Good weather resistance		
Appearance	Black		
	Available colors		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 4.00 mm)	54		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ASTM D638
100% secant	1.80	MPa	ASTM D638
300% secant	3.70	MPa	ASTM D638
Tensile Strength	4.10	MPa	ASTM D638
Tensile Elongation (Break)	420	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	26.0	kN/m	ASTM D624

Thermal	Nominal Value	Unit
Service Temperature - Unstressed Material	-50 - 125	°C
Injection	Nominal Value	Unit
Rear Temperature	210 - 250	°C
Middle Temperature	210 - 250	°C
Front Temperature	210 - 250	°C
Mold Temperature	30 - 60	°C
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	210 - 250	°C
Cylinder Zone 2 Temp.	210 - 250	°C
Cylinder Zone 3 Temp.	210 - 250	°C
Cylinder Zone 4 Temp.	210 - 250	°C
Cylinder Zone 5 Temp.	210 - 250	°C

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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

