

Tuftec™ M1943

Styrene Ethylene Butylene Styrene Block Copolymer
AKelastomers

Message:

Polymer with molecular chain bearing highly reactive functional groups, imparting high flowability and soft flexibility. High-quantity functional group content, enabling effective modification of engineering plastics and heightening of adhesion to metals and other plastics with small quantity of M1943 addition. It is supplied in pellet form.

Applications:
Modification of polyamides (PA), other engineering plastics, and olefinic resins, for high impact strength. Compatibilization with engineering plastics and olefinic resins. Flexible films component. Adhesives and sealants component.

General Information			
Features	Good Adhesion		
	Good Flexibility		
	Good Flow		
	Good Impact Resistance		
	High Reactivity		
	Soft		
Uses	Adhesives		
	Film		
	Plastics Modification		
	Sealants		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Acid Number - mg CH ₃ ONa/g polymer	10.00		Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	67		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.90	MPa	ISO 37
Tensile Stress ¹ (Break)	11.0	MPa	ISO 37
Tensile Elongation ² (Break)	650	%	ISO 37
NOTE			
1.	Type 1A, 500 mm/min		
2.	Type 1A, 500 mm/min		

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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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