

Tuftec™ P1500

Styrene Butadiene Butylene Styrene Copolymer
AKelastomers

Message:

In common with all grades in the Tuftec™ P series, Tuftec™ P1500 is a new polymer type, termed SBBS, produced by selective hydrogenation at appropriate locations on the molecular chain of styrenic thermoplastic elastomer (styrene/butadiene/styrene; SBS). As a result, it is inherently outstanding in thermal properties, and superior in processability and low-temperature properties to the structurally similar Tuftec™ H series SEBS polymers. Tuftec™ P1500 is designed particularly for low-viscosity hot-melt adhesives, with good flow properties and a high-level balance in properties. Primarily for low-viscosity hot-melt adhesives. Superior to SBS in thermal stability. Reduced viscosity variance and discoloration. Compatible with full range of tackifiers, enabling broader range and freedom in selection of co-components and formulations than SBS or SEBS.

General Information			
Features	Good Flow		
	Good Processability		
	Good Thermal Stability		
	Low Viscosity		
Uses	Adhesives		
	Low Temperature Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	69		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.10	MPa	ISO 37
Tensile Stress ¹ (Break)	3.30	MPa	ISO 37
Tensile Elongation ² (Break)	780	%	ISO 37
Additional Information	Nominal Value	Test Method	
Styrene/Rubber ratio	30/70	Internal Method	
NOTE			
1.	Type 1A, 500 mm/min		
2.	Type 1A, 500 mm/min		

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