

# Tuftec™ P2000

Styrene Butadiene Butylene Styrene Copolymer  
AKelastomers

Message:

In common with all grades in the Tuftec™ P series, Tuftec™ P2000 is a new polymer type, termed SBBS, produced by selective hydrogenation at appropriate locations on the molecular chains of styrenic thermoplastic elastomers (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 of SEBS polymers. Tuftec™ P2000 is high in styrene content, and particularly effective as a modifier for styrenic, polyphenylene ether (PPE), and other polymers, and as a compatibilizer for styrenic and olefinic polymers. It is supplied in pellet form.

Applications:  
Primarily for compatibilization between styrenic and olefinic polymers. Properties highly advantageous for food container applications.

General Information			
Features	Good Processability		
Uses	Food Containers		
	Low Temperature Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	74		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Break)	24.5	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	42	%	ISO 37
NOTE			
1.	Type 1A, 500 mm/min		
2.	Type 1A, 500 mm/min		

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