

Tuftec™ P5051

Styrene Ethylene Butylene Styrene Block Copolymer
AKelastomers

Message:

Asahi Kasei Tuftec™ P5051 is a selectively hydrogenated polymer. It is used as a compatibilizer of PS and PP blends or as an impact modifier of GPPS, HIPS and PPE.

Applications:

Primarily for compatibilization between styrenic and olefinic polymers. Properties highly advantageous for food container applications, e.g. microwave food trays, portioned food containers, lunchbox laminated films.

General Information			
Features	Good adhesion		
Uses	Films		
	Food container		
	Plastic modification		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	93		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	7.00	MPa	ISO 37
Tensile Stress ¹ (Break)	31.0	MPa	ISO 37
Tensile Elongation ² (Break)	700	%	ISO 37
Additional Information	Nominal Value		Test Method
Styrene/Rubber ratio	47/53		Internal method
NOTE			
1.	Type 1A, 500mm/min		
2.	Type 1A, 500mm/min		

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