

Tuftec™ L5201

Styrene Ethylene Butylene Styrene Block Copolymer
AKelastomers

Message:

Asahi Kasei Tuftec™ Trial L521 is particularly designed as a modifier to increase flexibility of polypropylene (PP). Its excellent compatibility makes L521 super-finely dispersed into PP. PP and L521 blends provides transparent and flexible extruded products such as sheets, films and tubes. The blends are also applicable to injection molding due to its high MFR. It has excellent adhesion, which is suitable for the use of adhesive layer of protective films with hot-melt and pressure sensitive characteristics. L521 meets USP Class VI standards. It may be used for medical applications after a special agreement with Asahi Kasei.

General Information	
Features	Good adhesion
Uses	Films
	Pipe fittings
	Sheet
	Plastic modification
	Medical/nursing supplies
Agency Ratings	USP Class VI
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	2.3	g/10 min	ISO 1133
230°C/2.16 kg	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	39		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	1.30	MPa	ISO 37
Tensile Stress ¹ (Break)	12.5	MPa	ISO 37
Tensile Elongation ² (Break)	810	%	ISO 37
Additional Information	Nominal Value		Test Method
Styrene/Rubber ratio	18/82		Internal method
NOTE			
1.	Type 1A, 500mm/min		
2.	Type 1A, 500mm/min		

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