

TUFTEC™ Trial Grade L521

SEBS: Hydrogenated Styrenic Thermoplastic Elastomer

Essentials

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.

Basic Characteristics of Tuftec™ L521

Property	Test Method	Value
Specific Gravity (g/cm ³)	ISO 1183	0.89
MFR (g/10 min) 230 °C, 2.16 kg Load	ISO 1133	15.0
MFR (g/10 min) 190 °C, 2.16 kg Load	ISO 1133	2.3
Hardness Durometer Type A	ISO 7619	39
Tensile Strength (MPa) Dumbbell: Type 1A 500 mm/min	ISO 37	12.5
Elongation (%) Dumbbell: Type 1A 500 mm/min		810
300% Tensile Stress (MPa)		1.3
Styrene / Ethylene-Butylene Ratio	Asahi Kasei Method	18/82
Physical Form	-	Pellet

Please note that all data and values are given as typical results obtained with the indicated test methods for purposes of basic reference in grade selection only, and not as any product specification or warranty of any nature, and are subject to change without notice.

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