

TUFTEC™ P1500

SEBS: Hydrogenated Styrenic Thermoplastic Elastomer

Essentials

Asahi Kasei Tuftec™ P1500 is a selectively hydrogenated polymer. It is good as a base polymer for pressure sensitive adhesives (PSA). It has excellent compatibility with a variety of tackifiers. With blending tackifier and white oil, it provides solvent-borne as well as hot-melt adhesives. It is particularly suitable for hot-melt adhesive with low viscosity and good thermal stability.

Applications

Primarily for low-viscosity hot-melt adhesives, e.g. hot-melt adhesives for sanitary goods. 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.

Basic Characteristics of Tuftec™ P1500

Property	Test Method	Value
Specific Gravity (g/cm ³)	ISO 1183	0.91
MFR (g/10 min) 190 °C, 2.16 kg Load	ISO 1133	4.0
Viscosity as 15% solution in toluene	ISO 7619	35
Hardness Durometer Type A	ISO 7619	69
Tensile Strength (MPa) Dumbbell: Type 1A 500 mm/min	ISO 37	3.3
Elongation (%) Dumbbell: Type 1A 500 mm/min		780
300% Tensile Stress (MPa)		2.1
Styrene / Ethylene-Butylene Ratio	Asahi Kasei Method	30/70
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.

