

TUFTEC™ H1051

SEBS: Hydrogenated Styrenic Thermoplastic Elastomer

Essentials

Asahi Kasei Tuftec™ H1051 offers good compatibility for styrenic resins and polyphenylene ether (PPE). It's also used as impact modifier for cyclo olefin polymer (COP) and Cyclo Olefin copolymer (COC).

Applications

Olefinic and styrenic resins modifier for high impact strength, e.g. IC trays. Compatibilizer.
Adhesives and sealants components.

Basic Characteristics of Tuftec™ H1051

Property	Test Method	Value
Specific Gravity (g/cm ³)	ISO 1183	0.93
MFR (g/10 min) 230 °C, 2.16 kg Load	ISO 1133	0.8
Hardness Durometer Type A	ISO 7619	96
Tensile Strength (MPa) Dumbbell: Type 1A 500 mm/min	ISO 37	32.3
Elongation (%) Dumbbell: Type 1A 500 mm/min		600
300% Tensile Stress (MPa)		8.3
Styrene / Ethylene-Butylene Ratio	Asahi Kasei Method	42/58
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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