

TUFTEC™ H1043

SEBS: Hydrogenated Styrenic Thermoplastic Elastomer

Essentials

Asahi Kasei Tuftec™ H1043 is a high styrene content SEBS. It can be easily blended with PS and PPE. It is used as a compatibilizer of styrenic resin / olefinic resin blends. It is also suited as an impact modifier of cyclo olefin polymer (COP) and cyclo olefin copolymer (COC).

Applications

PS(GPPS, HIPS)/PP alloy compatibilizer; preserves PS processability while increasing resistance to heat and oil, and thus used for food containers and trays, and in place of ABS. Effective as additive to PS for recycling. Also effective as modifier for enhancement of SAN, ABS, PPE, and other resins.

E.g. microwavable food containers, inner laminate films for lunch boxes and trays, portioned food containers.

Basic Characteristics of Tuftec™ H1043

Property	Test Method	Value
Specific Gravity (g/cm ³)	ISO 1183	0.97
MFR (g/10 min) 230 °C, 2.16 kg Load	ISO 1133	2.0
Hardness Durometer Type D	ISO 7619	72
Tensile Strength (MPa) Dumbbell: Type 1A 10 mm/min	ISO 37	10.3
Elongation (%) Dumbbell: Type 1A 10 mm/min		20
300% Tensile Stress (MPa)		-
Styrene / Ethylene-Butylene Ratio	Asahi Kasei Method	67/33
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.

