

TUFTEC™ M1943

M-SEBS: Modified Hydrogenated Styrenic Thermoplastic Elastomer

Essentials

Asahi Kasei Tuftec™ M1943 is a maleic anhydride modified SEBS. It enables modification of engineering plastics such as polyamide (PA) or polyester (PEs). It can be used as an adhesive to metals and thermoplastic polyurethane (TPU). It is also used as a compatibilizer of PS or olefinic resins and polar resins.

Applications

Modification of polyamides (PA), other engineering plastics, and olefinic resins for high impact strength, e.g. automotive carpet backings. Compatibilization with engineering plastics and olefinic resins. Flexible films component. Adhesives and sealants components.

Basic Characteristics of Tuftec™ M1943

Property	Test Method	Value
Specific Gravity (g/cm ³)	ISO 1183	0.90
MFR (g/10 min) 230 °C, 2.16 kg Load	ISO 1133	8.0
Hardness Durometer Type A	ISO 7619	67
Tensile Strength (MPa) Dumbbell: Type 1A 500 mm/min	ISO 37	11.0
Elongation (%) Dumbbell: Type 1A 500 mm/min		650
300% Tensile Stress (MPa)		2.9
Styrene / Ethylene-Butylene Ratio	Asahi Kasei Method	20/80
Acid Value (mgCH ₃ ONa/g)	Titration Method	10
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.

