

S.O.E.™ S1606

SEBS: Hydrogenated Styrenic Thermoplastic Elastomer

Essentials

Asahi Kasei S.O.E.™ S1606 is a special SEBS with low resilience. It can be used as a modifier to improve scratch resistance and abrasion resistance of TPE compounds. It also offers good compatibility between PS and polyphenylene ether (PPE). It is also used as a modifier of COP and COC.

Basic Characteristics of S.O.E.™ S1606

Property	Test Method	Value
Specific Gravity (g/cm3)	ISO 1183	0.98
MFR (g/10 min) 230 °C, 2.16 kg Load	ISO 1133	4.0
Hardness Durometer Type A	ISO 7619	67
Tensile Strength (MPa) Dumbbell: Type 1A 500 mm/min	ISO 37	20.0
Elongation (%) Dumbbell: Type 1A 500 mm/min		490
300% Tensile Stress (MPa)		3.6
Dunlop Rebound Resilience 23°C	BS903	65
Peak Temp, of Tanδ	-	-13
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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