

# S.O.E.™ S1605

SEBS: Hydrogenated Styrenic Thermoplastic Elastomer

## Essentials

Asahi Kasei S.O.E.™ S1605 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).

## Basic Characteristics of S.O.E.™ S1605

Property	Test Method	Value
Specific Gravity (g/cm3)	ISO 1183	1.00
MFR (g/10 min) 230 °C, 2.16 kg Load	ISO 1133	5.0
Hardness Durometer Type A	ISO 7619	87
Tensile Strength (MPa) Dumbbell: Type 1A 500 mm/min	ISO 37	32.3
Elongation (%) Dumbbell: Type 1A 500 mm/min		460
300% Tensile Stress (MPa)		12.6
Dunlop Rebound Resilience 23°C	BS903	4.0
Peak Temp, of Tanδ	-	18
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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