AsahiKASEI

# 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/cm3) | ISO 1183 | 0.93 |
| MFR (g/10 min)<br>230 °C, 2.16 kg Load | ISO 1133 | 0.8 |
| Hardness<br>Durometer Type A | ISO 7619 | 96 |
| Tensile Strength (MPa)<br>Dumbbell: Type 1A 500 mm/min | ISO 37 | 32.3 |
| Elongation (%)<br>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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