

Tufdene™ Solution SBR for Fuel-Efficient Tires



Safety / Comfort



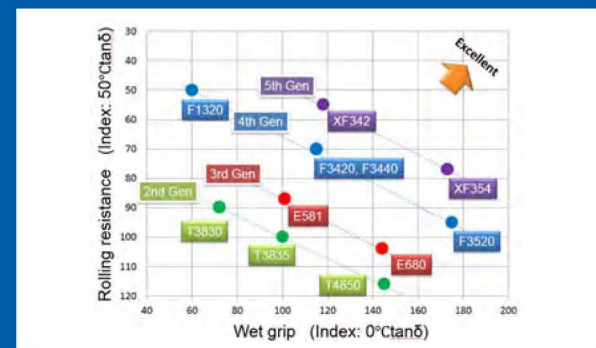
Efficiency

Application Areas

- Automotive industry (tires)
- Industrial goods
- Footwear

Solution / Innovation for the Industry

- High molecular weight
- Original functionalization technique
- High functionalization ratio



Fifth generation of Tufdene™ with enhanced wet grip and low rolling resistance

Asahi Kasei's S-SBR (Solution Styrene-Butadiene Rubber) Tufdene™ is produced by solution polymerization and is used in tires, industrial goods and footwear. Asahi Kasei provides grades with various styrene content and microstructures attained by many years of experience in well-utilized solution polymerization technology.

Recently, silica is generally used for passenger car tires due to its high performance and the balance of fuel efficiency and wet grip. Asahi Kasei has developed functionalized grades which enable better silica dispersion, in order to achieve excellent fuel efficiency and wet grip.

With its high molecular weight, Tufdene™ also features good wear resistance which contributes to the tire's longtime durability.

Key Properties

- Low rolling resistance (fuel-efficient)
- Wet grip
- Wear resistance