

## SOL-5271H

### Solution Styrene Butadiene Rubber (SSBR)

#### Product Introduction

- Kumho SOL-5271H is solution styrene butadiene rubber manufactured by anionic solution polymerization using alkylolithium initiator in organic solvent.
- It is non-oil extended clear SSBR.
- Its processibility, viscoelastic property and cold cold flexibility are superior to emulsion SBR.
- Kumho SSBR can be properly controlled in styrene %, Vinyl % and molecular weight and provides a wide range of styrene, vinyl and mooney level to optimize performance in variety of tire and industrial application, as it uses innovative coupling and funtionalizing technology.

#### Product Properties

Property	Typical value	Test Method
Styrene (%)	21	NMR MRTHOD
Vinyl (% , in BD)	63	NMR METHOD
Mooney ML1+4	70 (±7)	ASTM D 1646
Tg (°C)	-25	ISO 11357-2
Oil content (%)	-	ASTM D 5774

#### Characteristics and Applications

- Typical application is for tire tread by mixing with NR, BR and any other rubber.
- Compatible with silica, as well as carbon black, so many advantage characteristics are observed in silica compound for tire tread such as increasing bound rubber, good filler dispersion, higher wet traction, lower rolling resistance, lower heat build-up and lower mill shrinkage.
- SOL-5271H is functionalized to improve silica affinity by KKPC's innovative technology.

#### Manufacturer location

- Yeosu plant in Korea

#### Product safety

- Relevant safety data and references can be found in the safety data sheet.

#### Shelf life/Conditions

- 2 years from the production date at temperatures not exceeding 35 °C , keeping away from direct sunlight, humidity

#### Packaging

- Bale weight :35kg
- Pallet weight : 1,050kg (30 bales)

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