# SOL-6270M

**Solution Styrene Butadiene Rubber (SSBR)**

## Product Introduction

- Kumho SOL-6270M is solution styrene butadiene rubber manufactured by anionic solution polymerization using alkyllithium initiator in organic solvent.
- It is oil extended SSBR.
- Its processivility, 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 applica as it uses innovative coupling and funtionalizing technology.

## Product Properties

| Property | Typical value | Test Method |
|---|---|---|
| Styrene (%) | 25 | NMR MRTHOD |
| Vinyl (%, in BD) | 63 | NMR METHOD |
| ML1+4 | 47 | ASTM D 1646 |
| Tg (℃) | -28 | ISO 11357-2 |
| Oil content (%) | 27.3 | 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 compou 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.

## 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℃, keeping away from direct sunlight, humidi

## Packaging

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

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