SOL-5270M

Solution Styrene Butadiene Rubber (SSBR)

Product Introduction

- Kumho SOL-5270M is solution styrene butadiene rubber manufactured by anionic solution polymerization using alkyllithium initiator in organic solvent.
- It is non-oil extended clear SSBR.
- Its processivility, viscoelastic property and 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
ML1+4	50	ASTM D 1646
Tg (℃)	-28	ISO 11357-2

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 carbon black 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.

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, humidity

Packaging

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

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