

# KUMHO 1721

## Emulsion Styrene Butadiene Rubber (ESBR)

### Product Introduction

- KUMHO SBR is a synthetic rubber product manufactured by the cold emulsion polymerization of styrene and butadiene.
- It provides excellent uniformity compared with natural rubber.
- It is classified by the applied emulsifier and stabilizer.

### Product Properties

Property	Typical value	Test Method
Bound Styrene (%)	38.5 - 41.5	ASTM D5775
RAW MV(ML1+4, 100 °C)	49 - 59	ASTM D 1646
Organic Acid (%)	4.10 - 5.70	ASTM D5774
Soap Content (%)	Max 0.50	ASTM D5774
Oil Content (%)	25.8 - 28.8	ASTM D 5774
Emulsifier	Mixed Soap of Rosin Acid and Fatty Acid	

### Characteristics and Applications

- Typical application is for tire tread by mixing with NR, BR and any other rubber.
- Compatible with carbon black, making it widely used for tires, shoes, and industrial goods.
- Its extrusion properties exceed those of natural rubber and stocks have less tendency to scorch in processing.

### Manufacturer location

- Ulsan in Republic of KOREA

### Product safety

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

### Shelf life/Conditions

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

### Packaging

- Bale weight : 35 kg (Wrapped by polyethylene film)
- Box weight : 1,050 kg (30 bales)

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