

# KUMHO 1502H

## 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, extender oil and stabilizer.

### Product Properties

Property	Typical value	Test Method
Volatile Matter (%)	Max. 0.5	ASTM D5668
Ash Content (%)	Max 0.8	ASTM D5667
Bound Styrene (%)	22.5 ~ 24.5	ASTM D5775
ML1+4 @100℃	60 ~ 70	ASTM D1646
Organic Acid (%)	4.8 ~ 7.0	ASTM D5774
Soap Content (%)	Max. 0.50	ASTM D5774
Oil Content (%)	-	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 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 : 35 kg (Wrapped by polyethylene film)
- Box weight : 1,050 kg (30 bales)

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