

# KUMHO 1712G

## 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 (%)     | 22.5 - 24.5                             | ASTM D5775  |
| RAW MV(ML1+4, 100 °C) | 49 - 55                                 | ASTM D 1646 |
| Organic Acid (%)      | 4.20 - 6.00                             | 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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