

KUMHO 1793

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) | 44 - 54 | ASTM D 1646 |
| Organic Acid (%) | 3.90 - 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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