

KUMHO 1778K

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)	41 - 51	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)

Head Office (Sales)
Signature tower, East-wing 11F
100, Cheonggyecheon-ro, Jung-gu, Seoul, Korea
Tel. +82-2-6961-1600 Fax. +82-2-6961-1619
www.kkpc.com

Research Center (Technical Service)
57-1, Hwaam-Dong, Yuseong-Gu, Daejeon, KOREA
Tel. +82-42-865-8683 Fax. +82-42-865-8791
pskim@kkpc.com

Ulsan Synthetic Rubber Plant
64, Sanggaero-ro, Nam-gu, Ulsan, Korea
TEL +82-52-259-6114 Fax +82-52-275-6547