

Kumho Petrochemical

KUMHO KNB 1845

1. Product Introduction

KUMHO KNB 1845 is a cold emulsion copolymer of Acrylonitrile and Butadiene using a mixture of rosin and fatty soaps as emulsifiers.

It is made at KUMHO Petrochemical Ulsan Rubber Plant.

A non-staining antioxidant is added during the production process.

2. Product Specification

Main Properties	Test Method	Specification Value
Volatile Matter (%)	ASTM D5668	0.50 Max.
Ash Content (%)	ASTM D5667	0.80 Max.
Bound Acrylonitrile (%)	USP E493-03-U32 (ISO 24698-1)	18.0 ± 2
Raw Mooney Viscosity, ML1+4 at 100 °C	ASTM D1646	45.0 ± 5

3. Compound Properties

Main Properties	Test Method	Typical Value
Tensile Strength, 40min, kgf/cm ²	ASTM D412	205
Elongation, 40 min, %	ASTM D412	490
300% Modulus, 40 min, kgf/cm ²	ASTM D412	100

*IRB #7 based, 150 °C x 40 min. Press Vulcanization

4. Key Features

KUMHO KNB 1845 has excellent resistance to hydrocarbon solvents, vegetable oils, acids, alkalis and many other liquids and gases. Resistance to cold, abrasion, heat, water and flexing are also provided. KUMHO KNB 1845 is suitable for injection molding of rubber products with various shapes, and it can be used with a relatively large amount of plasticizer.

5. Main Applications

KUMHO KNB is widely used for packings, gaskets, hoses, rolls, shoe soles and hells and other applications.

6. Physical Form

Light yellow bales wrapped in easily dispersible polyethylene film.

7. Storage Conditions

Direct exposure to sunlight and humidity may cause discoloration or quality deterioration.

Keep the product away from direct sunlight, humidity and impurities, and store in a cool place.

Overseas sales Team
Tel. 82-2-6961-1760~1769
Fax. 82-2-6961-1779

Quality Assurance Team in Ulsan Synthetic Rubber Plant
Tel. 82-52-259-6050~7
Fax. 82-52-259-6053