Plow Pte. Ltd.
UEN: 202139475R
Address: 10 Anson Rd, #05-01,
International Plaza, Singapore, 079903
E-mail: info@plow.group
Phone: +65 3157 1213

Technical Data Sheet

Product: BR 9000

Description

BR 9000 is a cis-1, 4-polybutadiene rubber produced by solution polymerization process in nickel catalytic system with butadiene as raw material and extract oil wear resistance. Cis-1, 4-Polybutadiene Content is at least 96%. It is stabilized by non-staining antioxidant.

Application

BR 9000 is characterized by its good cold resistance, abrasion resistance, long range elasticity and anti-aging resistance, it is a general synthetic rubber being widely used to produce tire tread as well as conveying belts, coated fabrics, and soles after being mixed with natural rubber.

Appearance

Light-colored and translucent, the primary shape is block, free of coking particles, mechanical impurities, and oil stains.

Specifications

Parameter	Test result	Test Method
Raw Rubber Mooney ML 1+4 (100°C)	44	GB/T 1232. 1-2016
Rubber Compound Mooney ML 1+4 (100°C)	47	GB/T 1232. 1-2016
Volatile matter content, %	0,38	GB/T24131. 1-2018
Ash content, %	0,01	GB/T 4498. 1-2013
Tensile stress at 300%, MPa, 25 min	22 – 25	GB/T 528-2009
Tensile stress at 300%, MPa, 35 min	10,0	GB/T 528-2009
Tensile stress at 300%, MPa, 50 min	10,0	GB/T 528-2009
Tensile strength, MPa, 35 min	15,9	GB/T 528-2009
Elongation at break, 35 min	403	GB/T 528-2009

Packaging

BR 9000 is produced in the form of bales about 25 kg each, packed in double layer. The inner layer is plastic film, and the outer is polypropylene braided lining kraft paper bags.

Storage and transportation

Rubber is stored indoors at a temperature not higher than +30 °C. During storage, the rubber must be protected from contamination, direct sunlight, and precipitation.