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Technical Data Sheet

Product: BIIR 2828

Description

BIIR 2828 is a synthetic rubber with low Mooney viscosity, a brominated copolymer of isobutylene and isoprene. The catalyst system of aluminum dichloroethyl and hydrogen chloride is used in the production.

Application

It is widely used for tire inner-liners, anti-corrosive linings, waterproof materials, anti-vibration products, shoe soles, etc.

Specifications

Property/Unit	Specification	Test Method
Appearance	White to amber solid	Visual
Mooney Viscosity ML (1+8) 125°C (MU)	32±4	GB/T 1232.1
Bromine content (wt%)	2.0±0.2	JingBo Method
Volatiles (wt%)	≤0.5	GB/T 24131
Ash Content (wt%)	≤0.7	GB/T 4498.1
Stabilizer Content (wt%)	1.2-1.6	Jingbo Method
Antioxident (non-Staining) (wt%)	≥0.03	JingBo Method

Curing Characteristics

Property/Unit	Specification	Test Method
FL (dN.m)	2.1±1.0	Compounding method: ASTM D3958 Test condition: SH/T 1717-2008 6.2 Test method: GB/T 16584
FH (dN.m)	6.9±2.0	
ts1 (min)	2.9±1.2	
T50 (min)	5.3±1.5	
T90 (min)	8.4±2.0	

Packaging

Produced in the form of bales 34 kg each, individually packed in low melting PE/EVA/(EVA+PE) composite film without perforation. Bales packed in reusable intermediate bulk boxes (MB5) or plywood boxes 36 bales per box.

Safety

The solid high-molecular polymer with stable and reliable performance, is harmless to humans, animals, and plants as well as to ecology environment. For any relevant safety data, see details in MSDS.

Storage and transportation

The item must be stored in dry and ventilative warehouse and kept out of direct sunlight, moisture, and contamination.