

# Technical Data Sheet

## Product: BIIR 2828

### Description

BIIR 2828 is a synthetic rubber with low Mooney viscosity, a brominated copolymer of isobutylene and isoprene.

### 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
Antioxidant (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

34 kg per bale, individually packed in low melting PE/EVA/(EVA+PE) composite film. Plywood case or IBC, 36 bales in total.

### Safety

The solid high-molecular polymer with stable and reliable performance, harmless to humans, animals, plants as well as 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. The storage period is 24 months.