

## Butyl Rubber

## BR-532

### Composition

Copolymer rubber of isobutylene and isoprene

Basic Properties	Unit	Standard	Test Method
Appearance		Off-white bales	Visual
Mooney Viscosity (ML1+8,125°C)	MU	51±5	GB/T1232.1
Volatiles	wt%	≤0.3	GB/T 24131.2
Unsaturation	mol%	1.7±0.2	Q/XH-FX 029
Total Ash	wt%	≤0.3	GB/T 4498.1
Antioxidant (Non-staining)	wt%	≥0.03	Q/XH-FX 030

Cure Characteristics	Unit	Standard	Test Method
F <sub>L</sub>	dN·m	3.3±0.9	GB/T16584 Moving Die Rheometer (MDR) 160°C x 40min, 0.5°arc
F <sub>H</sub>	dN·m	16.8±1.4	
ts1	min	2.0±1.0	
tc50	min	5.3±2.0	
tc90	min	20.4±3.3	
Test Formulation (phr)	BR-532 100, IRB 50, ZnO 3, St.A 1,TMTD 1, Sulfur 1.75		

### Applications

BR-532 has superior air impermeability, outstanding performance of heat-resistance, chemical corrosion-resistance, thermal aging resistance, and good curing performance. It can be widely used for inner tubes of tires, tire envelopes, adhesives, medical stoppers, sealing materials, ball bladders, building sealants, electrical condensers, etc.

### Safety & Toxicity

BR-532 is an elastomer with stable performance. It is harmless and not dangerous for humans, plants or animals. Please refer to the SDS for relevant safety data and reference.

### Packaging

Bale Weight (KG/Bale)	Pallet	Pallet Weight (KG)	Wrapping Film
25±0.25	Plywood Box	1050 (42 Bales)	Modified PE
25±0.25	Metal Box	1200 (48 Bales)	
34±0.34	Metal Box	1224 (36 Bales)	

### Storage Life & Conditions

BR-532 has a storage life of three years from production date. It is recommended to store & transport at below 35 degrees celcius. No exposure to sunlight,