

SABIC® BR 5510

High Cis Polybutadiene Rubber

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® BR 5510 is a high cis-1,4 Polybutadiene rubber stabilized with a non-staining antioxidant.

SABIC® BR 5510 is manufactured by solution polymerization process using stereo-specific Nickel catalyst system to control microstructure and Molecular weight distribution and provides a highly linear polymer.

Characteristics.

SABIC® BR 5510 is a medium Mooney grade generally used in blend with other elastomers and is designed for

Excellent abrasion resistance

Excellent flex cracking resistance

Excellent resilience

Good low temperature properties

Low rolling resistance

Appearance: off white to light amber

Typical applications.

Tire tread, sidewall and carcass

Conveyor belt coverings

Shoe sole, hoses and tube covers

Mechanical and sporting goods

Please take notice of specific storage and handling conditions.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information			
Additive	Antioxidation		
Features	Antioxidation		
	Good cracking resistance		
	Good wear resistance		
	Low temperature resistance		
	Linear polymer structure		
	Elastic		
Uses	Medium viscosity		
	Tires		
	Conveyor accessories		
	Composite		
	Pipe		
	Mixing		
Appearance	Sporting goods		
	Footwear		
	Amber		
Processing Method	White-like		
	Composite		
Physical	Nominal Value	Unit	Test Method

Mooney Viscosity (ML 1+4, 100°C)	55	MU	ASTM D1646
1,4-cis Content	> 96.0	wt%	Internal method
Organic Acid	0.8	wt%	ASTM D5774
Ash Content		wt%	ASTM D5667
Volatiles		wt%	ASTM D5668

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

