

BR 1208

High Cis Butadiene Rubber (BR)

Description

BR 1208 is a high cis-1,4 polybutadiene rubber produced by a solution polymerization process employing a stereospecific catalyst to control microstructure, molecular weight and molecular weight distribution.

BR 1208 is stabilized with a non-staining, non-discolouring antioxidant allowing for their physical property persistence during storage and application.

End Use

BR 1208 is used in tire tread, carcass compounds, shoe sole, V-belts, conveyor belt coverings, hose and tube covers, solid golf balls and various industrial products.

Features

- White colour
- Good abrasion resistance, flex-cracking resistance, resilience and low temperature properties

Packing

- 35 kg bales
- 30 bales per crate (1.05 MT)

Origin

Producer: LG Chemical
Country: South Korea

Raw Polymer: Chemical Analysis

Property	Unit	Typical	Specification
Volatile Matter	%	0.2	0.23 max
Ash	%	0.05	0.1 max
Extractables	%	0.3	1.3 max
Cis Content	%	98.0	97% min
Specific Gravity		0.91	-
Mooney Viscosity*	ML ₁	45	-

* ML 1+4 (100°C)

Test Compound Properties

Property	Unit	Target	Test Method
Tensile	kg/cm ²	170	ASTM D412*
Elongation	%	410	ASTM D412*
300% Modulus	kg/cm ²	110	ASTM D412*
ML	lb-in	4.0	ASTM D5289**
MH	lb-in	24.5	ASTM D5289**
ts1	min	2.9	ASTM D5289**
t'50	min	7.8	ASTM D5289**
t'90	min	11.8	ASTM D5289**

* Cure: 50 minutes at 145°C

** 160°C, 1° Arc

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