

Buna CB 710

Product Description

Buna CB 710 (former Taktene® 710) is a solution medium cis polybutadiene polymer produced with an organo lithium catalyst. CAS No.: 9003-17-2.

Plant : Orange (Tx)

The rubber is protected by a stabiliser system which is in chemical compliance with the FDA regulation §177.1640, the recommendation VI of the Federal Institute for Risk Assessment and the Commission Directive 2002/72/EC respectively its further amendments including 2004/19/EC.

Supply Form

Rubber bales wrapped in polystyrene foil.

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Volatile matter	max. 0,6	% by wt	ASTM D 5668
Mooney Viscosity	71	ME	ASTM D 1646
Solution viscosity (5,43% in toluene)	245-285	mPa·s	IC-5a
styrene insoluble (wet gel)	max. 100	ppm	IC-67
Colour Yellowness Index(Bulk rubber)	max. 5,0		IC-69

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Other Product Features

Property	Typical Value		
Use	Buna CB 710 is used for the production of ABS and HIPS. For HIPS it is used either alone or in blend with Buna CB 565 T or SB-Polymers to achieve polystyrene with improved surface gloss. In blends with Buna CB 530 T it is possible to attain an improved stress cracking resistance.		
Typical Value	amount of stabiliser	0,95	% by wt
	trans 1,4 content	51	% by wt
	cis 1,4 content	38	% by wt
	vinyl content	11	% by wt
Solubility	Buna CB 710 rubber is soluble in aliphatic hydrocarbons, styrene, toluene, tetrahydrofurane, methylene chloride, 1,1,1-trichloroethane and cyclohexane, and is insoluble in alcohols and water.		
Packaging	Bale weight	34,9	kg
	Nominal bale size	71 x 35 x 19	cm
	Nominal crate weight	~1256	kg
	Crate size	1465x1150x1098	mm
Storage Life/Conditions	Buna CB 710 should be stored in a cool, dry place at temperatures below 35°C. Exposure to light must be avoided. Under suitable conditions the product is stable for 24 months.		
Marking	Grade / Lot number / Crate number / Net weight		
Product Safety	Literature on the health and safety aspects of this product has been published. Before working with this product, personnel must be familiarised with its hazards, proper use, and handling. The available information is summarised in the Safety Data Sheet.		

These raw material properties are typical and, unless specifically indicated otherwise, are not to be considered as delivery specification.

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