



## BUNA™ CB POLYBUTADIENE RUBBER FOR HIPS & ABS

For plastic modification ARLANXEO produces polybutadiene by a solution polymerization process which enables the production of pure, clear, and virtually gel free products.

Our Lithium-based Butadiene Rubbers (Li-BR) are manufactured via an anionic process producing highly uniform polymers that are particularly suited for the use in high impact polystyrene (HIPS) and for the mass-solution polymerization of acrylonitrile-butadiene-styrene resins (m-ABS).

Besides our widely used Li-BRs, we have succeeded in the production of Neodymium-based Butadiene Rubbers (Nd-BR) for the HIPS application. These Nd-BRs allow for the production of HIPS resins with a higher rubber efficiency and superior properties. Similar mechanical properties (impact strength, modulus) can be reached with less amount of Nd-BR. Consequently, the mechanical properties of HIPS resins produced with Nd-BR are similar (with less amount of rubber) or even superior (with similar amount of rubber) to those of resins based on corresponding Li-BRs.

### PRODUCT PORTFOLIO

#### Lithium Butadiene Rubber for HIPS (Li-BR)

Name	Plant	Mooney (MU)	Solution Viscosity (mPa·s)
Buna™ CB 550	Orange, TX	54	163
Buna™ CB 380	Orange, TX	38	90
Buna™ CB 70 GPT	Cabo	69.5	250
Buna™ CB 55 GPT	Cabo	53	168
Buna™ CB 530 T	Pt. Jérôme	68	250
Buna™ CB 550 T	Pt. Jérôme	54	163
Buna™ CB 550 IP	Pt. Jérôme	54	163
Buna™ CB 565 T	Pt. Jérôme	60	44

#### Neodymium Butadiene Rubber for HIPS (Nd-BR)

Name	Plant	Mooney (MU)	Solution Viscosity (mPas)
Buna™ CB 728 T	Orange, TX	44	160

# TIRE AND SPECIALTY RUBBERS GLOBAL FOOTPRINT



## WE ARE HAPPY TO SUPPORT YOUR BUSINESS

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