



POLYBUTADIENE RUBBER FOR HIPS APPLICATION

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 BRs.

PRODUCT PORTFOLIO

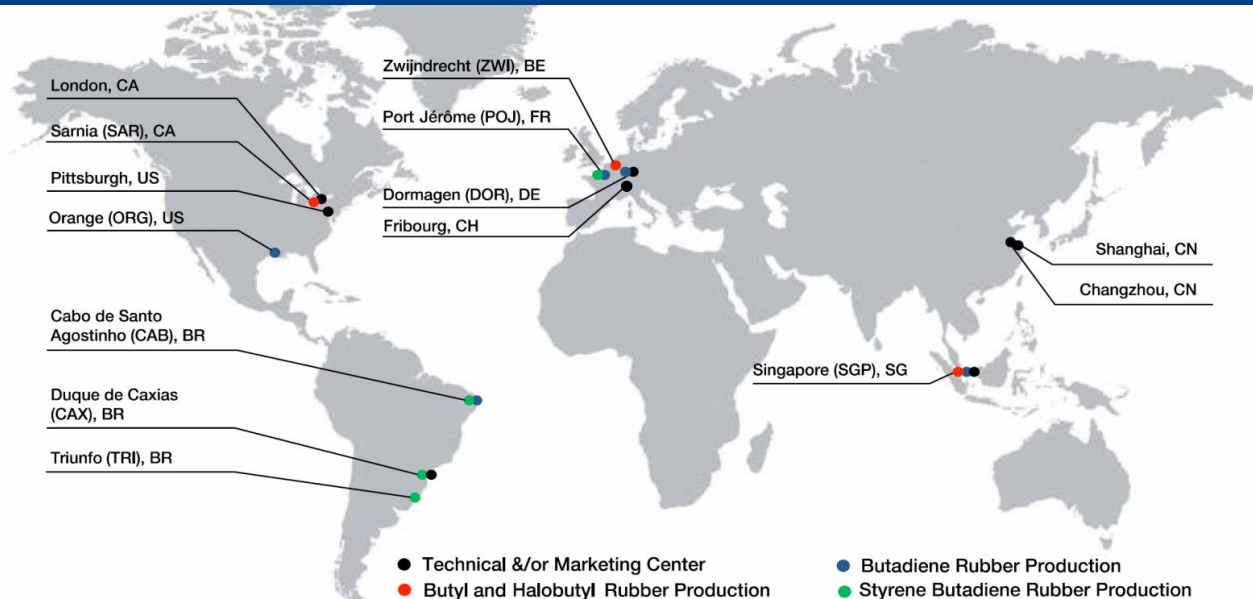
Lithium Butadiene Rubber for HIPS (Li-BR)

Name	Plant	Mooney (MU)	Solution Viscosity (mPa·s)	TNPP Free
Buna™ CB 550	Orange, TX	54	163	no
Buna™ CB 550 T	Orange, TX	53	169	yes
Buna™ CB 380	Orange, TX	38	90	no
Buna™ CB 380 IT	Orange, TX	38	90	yes
Buna™ CB 70 GPT	Cabo	69.5	250	yes
Buna™ CB 55 GPT	Cabo	53	168	yes
Buna™ CB 530 T	Pt. Jérôme	68	250	yes
Buna™ CB 550 T	Pt. Jérôme	54	163	yes
Buna™ CB 550 IP	Pt. Jérôme	54	163	yes
Buna™ CB 565 T	Pt. Jérôme	60	44	yes

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

NORAM

Technical Service

Sharon Guo

E-mail: sharon.guo@arlanxeo.com

Phone: +1 519 953 1728

Sales

Jay Capelli

E-mail: jay.capelli@arlanxeo.com

Phone: +1 412 809 2237

EMEA

Technical Service

Wilfried Braubach

E-mail: wilfried.braubach@arlanxeo.com

Phone: +49 221 8885 1085

Sales

Marco Eira

E-mail: marco.eira@arlanxeo.com

Phone: +41 26 422 8354

APAC

Technical Service

Esther Han

E-mail: esther.han@arlanxeo.com

Phone: +65 6725 5709

Sales

JooSang Kim

E-mail: joosang.kim@arlanxeo.com

Phone: +65 6725 5872

LATAM

Technical Service

Marcus Moutinho

E-mail: marcus.moutinho@arlanxeo.com

Phone: +55 21 2677 1219

Sales

Sergio Botafogo

E-mail: sergio.botafogo@arlanxeo.com

Phone: +55 21 2677 1344

Please contact us for additional information or visit us at
www.tsr.arlanxeo.com

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

Health and Safety Information: Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the ARLANXEO products mentioned in this publication. For materials mentioned which are not ARLANXEO products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., *safety data sheets and product labels*. Consult your ARLANXEO representative or contact the Product Safety and Regulatory Affairs Department.

X_Butyl® is a registered trademark of ARLANXEO Switzerland S.A.

Note: The information contained in this publication is current as of September 2018.

Please contact ARLANXEO USA LLC to determine if this publication has been revised.

ARLANXEO
Performance Elastomers