



BUNA™ CB GENERAL PURPOSE BUTADIENE RUBBER (Co-BR & Li-BR)

Cobalt Butadiene Rubber (Co-BR)

Our polybutadienes catalyzed by Cobalt have a high 1,4-cis content combined with high 1,2-vinyl content and a broad molecular weight distribution that allows for easy processing and the production of high quality rubber goods. Co-BRs can be blended with NR for goods having thick sections. Provided that the compounds are formulated and processed correctly, the Co-BR vulcanizates have good resistance to aging, reversion, abrasion and flex cracking, good low temperature flexibility and high resilience.

Lithium Butadiene Rubber (Li-BR)

Lithium catalyst systems lead to polybutadienes with a medium cis-1,4 content. These polybutadienes are linear polymers used in classical tire formulations around the bead area of the tire. Due to a further process step Buna™ CB 60 is star branched polymer that allows the incorporation of high loadings of filler yet allowing good processibility in, for example, apex compounds. Li-BRs can be blended with other diene based rubbers, including natural rubber to help mitigate reversion.

Applications

Co-BRs can be used in:

- tire sidewalls
- tire treads & retreads
- conveyor belts
- golf balls
- footwear soles

Li-BRs can be used in :

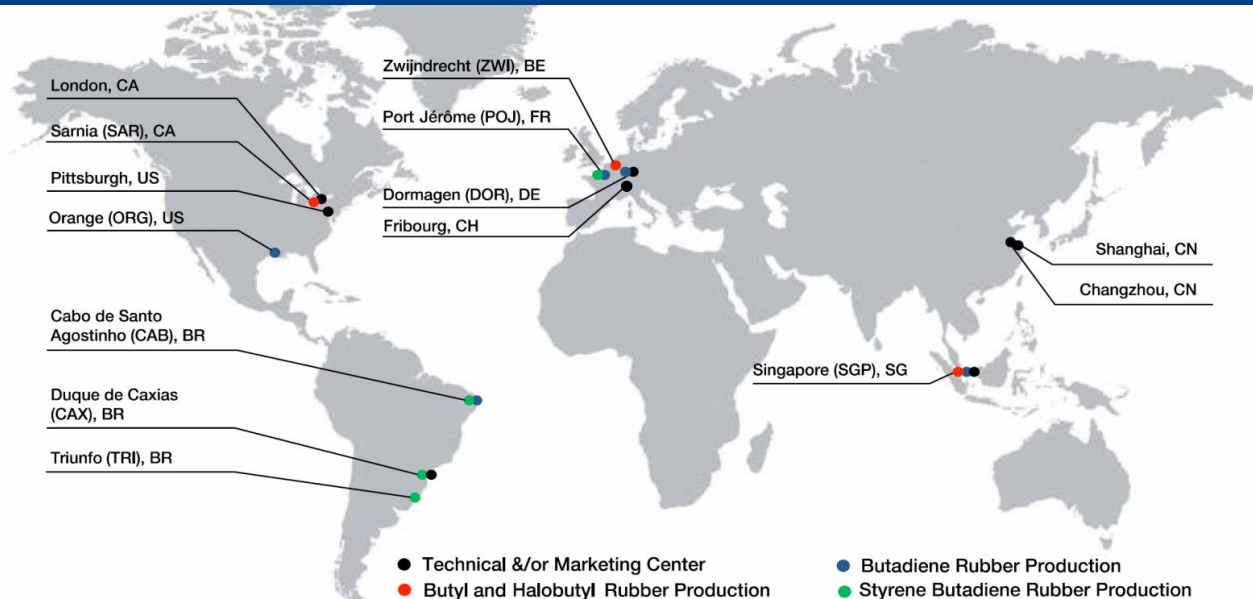
- technical rubber goods
- apex areas of the tire
- footwear soles
- applications where low temperature flexibility is important

PRODUCT PORTFOLIO

Cobalt Butadiene Rubber (Co-BR)			
Name	Production Site	Mooney (ML (1+4) @ 100 °C, MU)	Remark
Buna™ CB 1221	Orange	53	branched
Buna™ CB 1203	Orange	43	branched
Buna™ CB 1220	Orange	40	highly branched

Lithium Butadiene Rubber (Li-BR)			
Name	Production Site	Mooney (ML (1+4) @ 100 °C, MU)	Remark
Buna™ CB 45	Orange, Cabo	45	linear
Buna™ CB 60	Pt. Jérôme	60	star branched
Buna™ CB 55 NF	Pt. Jérôme	55	linear
Buna™ CB 70	Cabo	70	linear
Buna™ CB 55 H	Cabo	54	linear
Buna™ CB 55 L	Cabo	51	linear

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

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

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