



## 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

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