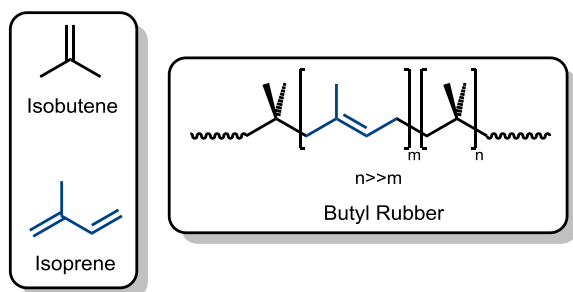




X_BUTYL® REGULAR BUTYL RUBBER FOR INNER TUBES

Regular Butyl Rubber (IIR) is a copolymer of isobutene with small amounts of isoprene. The isoprene creates double bonds, allowing vulcanization with sulfur and other curing agents.



When the compounds based on regular X_Butyl® are correctly formulated and processed, the end-products possess:

- very low permeability to gases and liquids
- high hysteresis for energy absorption
- good low-temperature flexibility

Regular X_Butyl® is still used extensively for inner tubes in countries where the road infrastructure is not highly developed and in low-speed tire applications such as construction, farm equipment, buses, motorcycles, bicycles, and recreational vehicles.

PRODUCT PROPERTIES

	Mooney Viscosity [ML(1+8) @ 125 °C, MU]	Unsaturation [mol%]	Ash [wt%]	Volatiles [wt%]
X_Butyl® RB 100	33	0.9	<0.3	<0.3
X_Butyl® RB 402	33	2.25	<0.3	<0.3
X_Butyl® RB 301	51	1.85	<0.3	<0.3

TYPICAL FORMULATION

Ingredient	phr
X_Butyl™ RB 301	100
Stearic Acid	1
Process Aid	2
Carbon Black N550	45
Zinc Oxide	5
Oil	20
Accelerators	4
Sulphur	1.5

Mechanical Properties	Unit	Typical Value*
Hardness	(ShA)	55
Tensile Strength	(MPa)	11.5
Modulus 100%	(MPa)	1.8
Modulus 200%	(MPa)	3.5
Elongation at break	(%)	535
Tear Strength	(kN/m)	22

*These items are provided as general information only. They are approximate values and are not considered part of the product specifications. Please contact your regional representative for additional information.

TIRE AND SPECIALTY RUBBERS GLOBAL FOOTPRINT



WE ARE HAPPY TO SUPPORT YOUR BUSINESS

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Note: The information contained in this publication is current as of May 2017.

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