



X_BUTYL® HALOBUTYL RUBBER FOR DAMPING MOUNTS

When the compounds based on either brominated or chlorinated X_Butyl® are correctly formulated and processed, the end-products have:

- very low permeability to gases and liquids
- excellent resistance to weathering, ozone and heat
- high hysteresis for energy absorption
- good low-temperature flexibility
- resistance to acidic and basic chemicals

This unique combination of properties, makes chlorinated X_Butyl® ideal for many non-tire applications. Among the largest of these applications are vibration-control applications and dynamic parts including body mounts.

ARLANXEO PRODUCT PROPERTIES

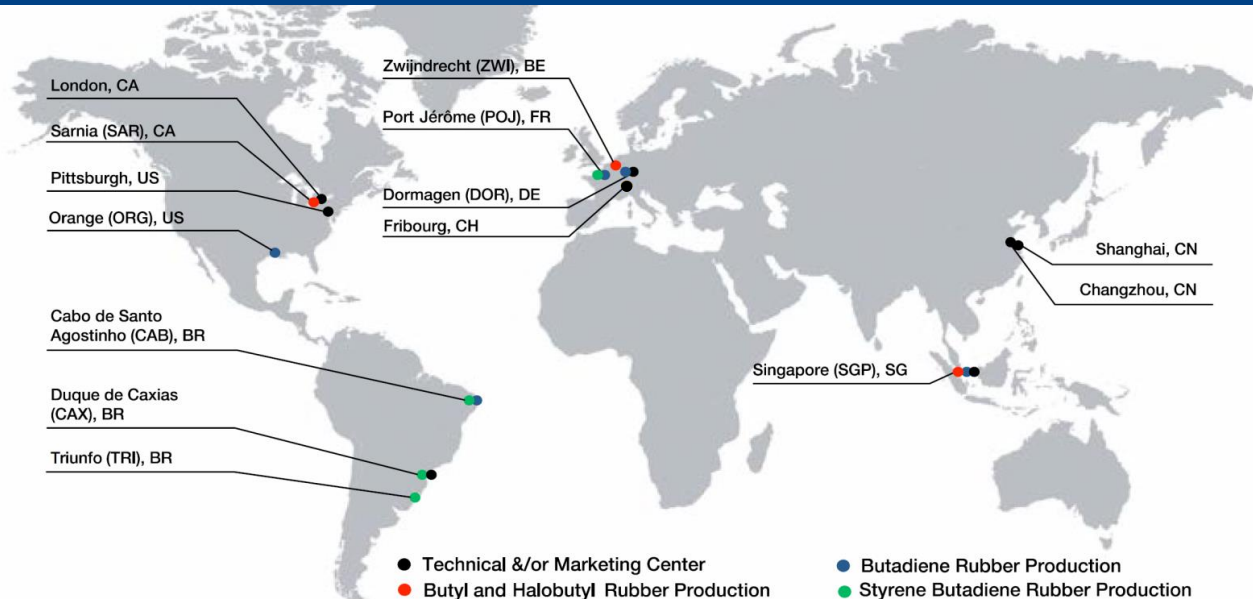
		Mooney [ML(1+8) @ 125 °C, MU]	Halogen [wt%]	Ash [wt%]	Volatiles [wt%]
Bromobutyl Rubber	X_Butyl® BB 2030	32	1.8	<0.7	<0.7
	X_Butyl® BB 2040	39	1.8	<0.7	<0.7
	X_Butyl® BB X2	46	1.8	<0.7	<0.7
Chlorobutyl Rubber	X_Butyl® CB 1240	38	1.25	<0.5	<0.5

TYPICAL COMPOUND PROPERTIES:

Ingredient (phr)	A	B
X_Butyl® CB 1240	100	100
Stearic Acid	1	1
Wax	2	2
ZnO	5	5
CB N550	60	60
Paraffinic Oil	10	10
TMTD	0	1.5
SULFADS	0	1.5
MBTS	0	1.5
Sulfur	0	1

Mechanical Properties*	Unit	A	B
Hardness	(ShA)	56	61
Tensile Strength	(MPa)	11.6	12.4
Elongation at break	(%)	410	550
Compression Set (22 hrs, 100°C)	(%)	13	24
Aged Properties (168 hrs, 125°C)			
Hardness	(pts change)	5	8
Tensile Strength	(% change)	0	-19
Elongation at break	(% change)	-1	-15

TIRE AND SPECIALTY RUBBERS GLOBAL FOOTPRINT



WE ARE HAPPY TO SUPPORT YOUR BUSINESS

NORAM

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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