



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 [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

*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.

ARLANXEO
Performance Elastomers