



X_BUTYL® BROMOBUTYL RUBBER FOR CONVEYOR BELT APPLICATIONS

Conveyor belting systems can vary widely in their use and design depending on the load and distance required to convey materials. High performance cover compounds comprised of brominated X_Butyl® can be developed for applications where high temperature resistance and/or food contact is necessary.

The excellent heat and chemical stability of butyl rubber makes it an ideal candidate for specialty conveyor belt

applications. Compounds can be designed with brominated X_Butyl® alone or in combination with low levels of EPDM to produce belting compounds with excellent heat resistant properties.

Compounds with white fillers can be used for various applications where good heat aging resistance, tear strength, rebound properties and abrasion resistance is required.

ARLANXEO PRODUCT PROPERTIES

Grade	X_Butyl® BB 2030	X_Butyl® BB X2
Mooney Viscosity (ML 1+ 8, 125 °C, MU)	32	46
Halogen (wt%)	1.8	1.8
Stabilizer (wt%)	1.3	1.3

TYPICAL COMPOUND PROPERTIES:

Ingredient (phr)	A	B
X_Butyl® BB 2030	100	80
EPDM		20
White Filler	80	80
Stearic Acid	1	1
Resin and Wax	6	6
ZnO	5	5
Accelerator	2	2
Sulfur	1.5	1.5

Mechanical Properties*	Unit	A	B
Hardness	(ShA)	55	56
Tensile Strength	(MPa)	11.0	9.1
Elongation at break	(%)	975	840
Tear Strength (Die C)	(kN/m)	26	26
Aged Properties (168 hrs, 125 °C)			
Hardness	(pts change)	7	13
Tensile Strength	(% change)	-57	-43
Elongation at break	(% change)	-68	-62

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.