

## BUTYL RUBBER FOR VIBRATION CONTROL APPLICATIONS – BODY MOUNTS



The unique combination of properties, such as high permeation barrier, high damping, resistance to ozone and heat ageing makes regular X\_Butyl® ideal for many non-tire applications. Among these applications are vibration-control applications and dynamic parts including body mounts.

Compounds can be designed with good heat stability for a range of different hardness to provide products that are suited for their particular use in automotive and industrial applications where low frequency damping is required.

### ARLANXEO PRODUCT PROPERTIES

	X_Butyl® RB 301
Mooney Viscosity (ML 1+ 8, 125 °C, MU)	51
Unsaturation (mol %)	1.85
Volatiles (wt%)	< 0.3

### TYPICAL COMPOUND PROPERTIES:

Ingredient (phr)	A	B
X_Butyl® RB 301	100	100
Stearic Acid	1	1
Wax	2	2
ZnO	5	5
Carbon Black	30	85
Paraffinic Oil	20	20
Accelerator	4	4
Sulfur	1.5	1.5

Mechanical Properties*	Unit	A	B
Hardness	(ShA)	50	70
Tensile Strength	(MPa)	11.0	10.7
Elongation at break	(%)	740	477
Compression Set (22 hrs, 100 °C)	(%)	25	23
Aged Properties (168 hrs, 125 °C)			
Hardness	(pts change)	6	4
Tensile Strength	(% change)	-38	-9
Elongation at break	(% change)	-42	-27

# 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.