

# EXXON™ CHLOROBUTYL

## Product Sales Specification

Effective: April 21, 2009

### Description

Exxon™ Chlorobutyl is a chlorinated copolymer of isobutylene and isoprene. The product has a characteristic specific gravity of 0.93. The product form is white to light amber bales.

### Product Specifications

Grades		1066	1068
Mooney viscosity			
	ML 1+ 8 (125°C)	38 ± 5	50 ± 5
Antioxidant (non-staining)	wt%	0.02 min	0.02 min
Chlorine	wt%	1.26 ± 0.08	1.26 ± 0.08
Water	wt%	0.3 max	0.3 max

### Product Specifications

Cure Characteristics			
MH	dN.m	41.0 ± 7.0	45.0 ± 7.0
ML	dN.m	14.0 ± 4.5	17.0 ± 4.5
ts2	mins	2.0 ± 1.5	2.0 ± 1.5
t'50	mins	5.0 ± 3.0	5.0 ± 3.0
t'90	mins	13.0 ± 4.0	13.0 ± 4.0

### Test Methods

Mooney viscosity	ASTM D 1646, modified	MV 2000 or equivalent.
Antioxidant	ExxonMobil test method	
Chlorine	ExxonMobil test method	
Water	ExxonMobil test method	
Chlorobutyl standard compound	ASTM D 3958, modified	
Cure characteristics	ASTM D 2084, modified	Rheometer ODR 2000.

Exxon Chlorobutyl is registered in the Toxic Substance Control Act Inventory under CAS number 68081-82-3.

All ASTM methods shown may be modified by the ExxonMobil laboratory.

Product sales specifications were developed pursuant to ExxonMobil testing and sampling procedures. Procedures available upon request. Specification and/or procedures are subject to change without notice unless otherwise agreed in writing. ExxonMobil Chemical products, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. Please contact us for further information prior to using any ExxonMobil Chemical product in any medical application.