



Sales Specification

Exxon™ Chlorobutyl 1066

Rubber

Product Description

Exxon™ chlorobutyl rubber 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.

General

Revision Date • March 1, 2013

Properties	Target	Minimum	Maximum	Unit	Test Based On
Mooney Viscosity ¹ (ML 1+8, 125°C)	38	33	43	MU	ASTM D1646 (mod)
Antioxidant (non-staining)	--	0.02	0.12	wt%	ExxonMobil Method
Chlorine	1.26	1.18	1.34	wt%	ExxonMobil Method
Calcium	0.08	0.05	0.11	wt%	ExxonMobil Method
Water	--	--	0.3	wt%	ExxonMobil Method

Cure Characteristics (Rheometer)	Target	Minimum	Maximum	Unit	Test Based On
MH ²	44.0	37.0	51.0	dN·m	ASTM D2084 (mod)
ML ²	16.0	11.5	20.5	dN·m	ASTM D2084 (mod)
ts2 ²	2.0	0.5	3.5	min	ASTM D2084 (mod)
t'50 ²	5.0	2.0	8.0	min	ASTM D2084 (mod)
t'90 ²	12.0	8.0	16.0	min	ASTM D2084 (mod)

Legal Statement

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

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

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.



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ExxonMobil Chemical Exxon™ Chlorobutyl 1066
Rubber

Notes

¹ MV 2000 or equivalent

² Rheometer ODR 2000 Standard compound: ASTM D3958 (mod)

For additional technical, sales and order assistance:

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