



Sales Specification

Exxon™ Bromobutyl 2222

Rubber

Product Description

Exxon™ bromobutyl rubber is a brominated copolymer of isobutylene and isoprene. The product has a characteristic specific gravity of 0.93. The product form is white to light amber bales.
Regular Cure Rate Grade

General

Revision Date • March 1, 2013

Properties	Target	Minimum	Maximum	Unit	Test Based On
Mooney Viscosity ¹ (ML 1+8, 125°C)	32	27	37	MU	ASTM D1646 (mod)
Antioxidant (non-staining)	--	0.02	0.12	wt%	ExxonMobil Method
Functional Bromine	1.03	0.93	1.13	mol%	ExxonMobil Method
Calcium	0.15	0.12	0.18	wt%	ExxonMobil Method
Stabilizer (Epoxidized soybean oil)	1.3	1.0	1.6	wt%	ExxonMobil Method
Water	--	--	0.3	wt%	ExxonMobil Method

Cure Characteristics (Rheometer)	Target	Minimum	Maximum	Unit	Test Based On
MH ²	38.0	31.0	45.0	dN·m	ASTM D2084 (mod)
ML ²	14.0	9.5	18.5	dN·m	ASTM D2084 (mod)
ts2 ²	4.0	1.5	6.5	min	ASTM D2084 (mod)
t'50 ²	8.0	5.0	11.0	min	ASTM D2084 (mod)
t'90 ²	10.0	6.0	14.0	min	ASTM D2084 (mod)

Legal Statement

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

Exxon™ bromobutyl rubber is registered in the Toxic Substance Control Act Inventory under CAS number 68441-14-5.

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™ Bromobutyl 2222
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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