ExxonMobil

Exxon™ Bromobutyl 2244

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 offwhite to amber bales. Fast Cure Rate Grade

Properties	Target	Minimum	Maximum	Unit	Test Method
Mooney Viscosity [1] (ML 1+8, 125°C)	46	41	51	MU	ASTM D1646 (mod)
Antioxidant (non-staining)	--	0.02	0.12	wt%	ExxonMobil Method
Functional Bromine	1.08	0.93	1.23	mol%	ExxonMobil Method
Calcium	0.12	0.08	0.16	wt%	ExxonMobil Method
Stabilizer					ExxonMobil Method
Epoxidized soybean oil	1.3	1.0	1.6	wt%	
Water	--	--	0.3	wt%	ExxonMobil Method

Cure Characteristics (Rheometer)	Target	Minimum	Maximum	Unit	Test Method
MH [2]	45.0	38.0	52.0	dN·m	ASTM D2084 (mod)
ML [2]	18.0	13.5	22.5	dN·m	ASTM D2084 (mod)
ts2 [2]	3.5	1.0	6.0	min	ASTM D2084 (mod)
t'50 [2]	6.0	3.0	9.0	min	ASTM D2084 (mod)
t'90 [2]	9.0	5.0	13.0	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.

Unless otherwise specified herein: data were prepared pursuant to ExxonMobil's sampling and testing procedures in effect at time of production some values shown may result from interpolation or correlation of other data applicable sampling and testing methods are available upon request and 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.

Notes

[1] MV 2000 or equivalent

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

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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