Exxon™ Bromobutyl 2222

Rubber

Product Description

Exxon™ Bromobutyl 2222 is a brominated copolymer of isobutylene and isoprene. Exxon™ Bromobutyl is a trademark designating a series of polymers made by brominating isobutylene/isoprene copolymers (butyl).

Key Features

The most important end use is in tubeless tire innerliners. Other uses are tire sidewalls and industrial rubber goods. Due to the amount of bromine present, this bromobutyl grade is faster curing than standard butyl, is more heat stable and is more compatible with highly unsaturated rubbers.

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Appearance	▪ Uniform, white to light amber		
Form(s)	▪ Bale		
Revision Date	▪ 05/12/2026		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.93	g/cm³	0.93	g/cm³	ASTM D297
Mooney Viscosity [2] (ML 1+8, 257°F (125°C))	32	MU	32	MU	ASTM D1646 (mod)
Antioxidant (non-staining)	0.02	wt% min	0.02	wt% min	ExxonMobil Method
Functional Bromine	1.03	mol%	1.03	mol%	ExxonMobil Method
Bromine	1.8 to 2.2	wt%	1.8 to 2.2	wt%	ExxonMobil Method
Calcium	0.15	wt%	0.15	wt%	ExxonMobil Method
Stabilizer	1.3	wt%	1.3	wt%	ExxonMobil Method
Water	0.3	wt% max	0.3	wt% max	ExxonMobil Method
Volatiles	< 0.6	wt%	< 0.6	wt%	ASTM D5668 (mod)
Ash	< 0.4	wt%	< 0.4	wt%	ASTM D5667 (mod)

Cure Characteristics (Rheometer)	Typical Value (English)		Typical Value (SI)		Test Based On
ts2 [3]	4.0	min	4.0	min	ASTM D5289
t'50 [3]	4.5	min	4.5	min	ASTM D5289
t'90 [3]	7.0	min	7.0	min	ASTM D5289
Minimum Torque [3]	2.3	dN·m	2.3	dN·m	ASTM D5289
Maximum Torque [3]	6.9	dN·m	6.9	dN·m	ASTM D5289

Additional Information

Storage: All inventory must be stored in dry conditions in an enclosed warehouse, protected from contaminants, and outdoor light exposure (including during shipment and transfers). Shipping Policy: ExxonMobil's policy is to not ship products over 2 years old from the date of production. Packaging: 34+/-0.68kg bales in dispersible EVA film or release film. For material with dispersible film wrap, Vicat softening point less than or equal to 85°C (ASTM 1525-87). Pallets of 36 bales (1224kgs).

Legal Statement

For detailed product compliance information, please contact customer Service.

This product is not intended for use in food contact applications.

This product, including the product name, shall not be used or tested in any medical application without prior written acknowledgement of ExxonMobil Chemical as to the intended use.

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Notes

Typical properties: these are not to be construed as specifications.

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

[2] MV 2000 or equivalent

[3] Rotor less curemeter (cure conditions -160oC, 30 min; preheat -none; oscillation-1.7 Hz, Arc ±0.5°), Standard compound : ASTM D3958 (Test Formulation - Exxon™ Bromobutyl 2222 (100 phr), Carbon black IRB 8 (40 phr), Zinc Oxide IRM 91 (5 phr), Stearic Acid IRM 021 (1 phr), mill mixed compound)

For additional technical, sales and order assistance: Contact Us

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