

Exxon™ Chlorobutyl 1066i

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.

Properties	Target	Minimum	Maximum	Unit	Test Method
Mooney Viscosity (ML 1+8, 125°C)	38	35	41	MU	ASTM D1646 (mod)
Antioxidant (non-staining), Irganox 1010	0.01	--	0.02	wt%	ExxonMobil Method
BHT	--	--	15	ppm	ExxonMobil Method
Chlorine	1.26	1.21	1.31	wt%	ExxonMobil Method
Calcium	0.08	0.05	0.11	wt%	ExxonMobil Method
Triethylene Glycol	--	--	60	ppm	ExxonMobil Method
Water	--	--	0.34	wt%	ExxonMobil Method
Volatiles	--	--	0.5	wt%	AMS 350.19 ASTM D5668

Cure Characteristics (Rheometer)	Target	Minimum	Maximum	Unit	Test Method
MH	44	37	51	dN·m	ASTM D2084 (mod)
ML	16	11.5	20.5	dN·m	ASTM D2084 (mod)
ts2	2.0	0.5	3.5	min	ASTM D2084 (mod)
t'50	5.0	3.5	6.5	min	ASTM D2084 (mod)
t'90	12.0	8.0	16.0	min	ASTM D2084 (mod)

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