

ExxonMobil Chlorobutyl 1066 Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Product Description: Exxon™ Chlorobutyl rubber is a copolymer of isobutylene and isoprene. The product has characteristic specific gravity of 0.93. The product form is white to light amber bales. Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Chlorobutyl-1066-Rubber.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	38	38	ML 1+8, Target; ASTM D1646
	@Temperature 125 °C	@Temperature 257 °F	
	33 - 43	33 - 43	ML 1+8; ASTM D1646
	@Temperature 125 °C	@Temperature 257 °F	
Maximum Moisture Content	0.30	0.30	ExxonMobil Method

Component Elements Properties	Metric	English	Comments
Calcium, Ca	0.080 %	0.080 %	Target; ExxonMobil Method
	0.050 - 0.11 %	0.050 - 0.11 %	ExxonMobil Method
Chlorine, Cl	1.26 %	1.26 %	Target; ExxonMobil Method
	1.18 - 1.34 %	1.18 - 1.34 %	ExxonMobil Method

Processing Properties	Metric	English	Comments
Cure Time	2.00 min	0.0333 hour	ts2, Target; ASTM D2084 (mod)
	0.500 - 3.50 min	0.00833 - 0.0583 hour	ts2; ASTM D2084 (mod)
	5.00 min	0.0833 hour	t'50, Target; ASTM D2084 (mod)
	2.00 - 8.00 min	0.0333 - 0.133 hour	t'50; ASTM D2084 (mod)
	12.0 min	0.200 hour	t'90, Target; ASTM D2084 (mod)
	8.00 - 16.0 min	0.133 - 0.267 hour	t'90; ASTM D2084 (mod)

Descriptive Properties	Value	Comments
Antioxidant (non-staining)	0.02-0.12%	ExxonMobil Method
Rheometer	37-51 dN-m	ML, ASTM D2084 (mod)

Descriptive Properties	44 dN-m Value	MH Target, ASTM D2084 (mod) Comments
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