

ExxonMobil Exxon™ 2211 Fast Cure Rate Grade

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

Material Notes:

Exxon Bromobutyl is a brominated copolymer of isobutylene and isoprene. The product form is offwhite to amber balesInformation provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Exxon-2211-Fast-Cure-Rate-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	
Mooney Viscosity	32	32	ML 1 + 8, Target; ASTM D1646
	27 - 37	27 - 37	ML 1 + 8; ASTM D1646
	@Temperature 125 °C	@Temperature 257 °F	
Maximum Moisture Content	0.30	0.30	

Component Elements Properties	Metric	English	Comments
Calcium, Ca	0.13 %	0.13 %	Target
	0.090 - 0.17 %	0.090 - 0.17 %	

Processing Properties	Metric	English	Comments
Cure Time	4.00 min	0.0667 hour	ts2, Target; ASTM D2084
	1.50 - 6.50 min	0.0250 - 0.108 hour	ts2; ASTM D2084
	7.00 min	0.117 hour	t`50, Target; ASTM D2084
	4.00 - 10.0 min	0.0667 - 0.167 hour	t`50; ASTM D2084
	9.50 min	0.158 hour	t`90, Target; ASTM D2084
	5.50 - 13.5 min	0.0917 - 0.225 hour	t`90; ASTM D2084

Descriptive Properties	Value	Comments
Antioxidant	0.02-0.12%	wt %, non-staning
Bromine	0.93-1.23%	mol%
	1.08	mol%, Target
cure MH	31-45 dN.m	

Descriptive Properties	Value	Comments
cure ML	14 dN.m	Target
	9.5-18.5	dN.m
stabilizer (epoxidized soybean oil)	1.3 ± 0.3	wt %
	1.3%	Target

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