

ExxonMobil Exxon™ 2255 Regular 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 white to light amber bales. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxon-2255-Regular-Cure-Rate-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	
Mooney Viscosity	41 - 51	41 - 51	ML 1 + 8; ASTM D1646
	@Temperature 125 °C	@Temperature 257 °F	
Maximum Moisture Content	46	46	ML 1 + 8, Target; ASTM D1646
	@Temperature 125 °C	@Temperature 257 °F	

Component Elements Properties	Metric	English	Comments
Calcium, Ca	0.15 %	0.15 %	Target
	0.12 - 0.18 %	0.12 - 0.18 %	

Processing Properties	Metric	English	Comments
Cure Time	1.50 - 6.50 min	0.0250 - 0.108 hour	ts2; ASTM D2084
	4.00 min	0.0667 hour	ts2, Target; ASTM D2084
	7.50 min	0.125 hour	t`50, Target; ASTM D2084
	4.50 - 10.5 min	0.0750 - 0.175 hour	t`50; ASTM D2084
	10.0 min	0.167 hour	t`90, Target; ASTM D2084
	6.00 - 14.0 min	0.100 - 0.233 hour	t`90; ASTM D2084

Descriptive Properties	Value	Comments
Antioxidant	0.02-0.12%	non-staining
Bromine	0.93-1.13%	
	1.03%	

<small>cure MH</small> Descriptive Properties	<small>37-51 dN.m</small> Value	Comments
	44 dN.m	Target
cure ML	14.5-23.5 dN.m	
	19 dN.m	Target
stabilizer (epoxidized soybean oil)	1.3 ± 0.3 %	
	1.3%	Target

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