

LANXESS BROMOBUTYL X2

Product Description

A non-staining, brominated isobutylene-isoprene copolymer with high Mooney viscosity

Supply Form

Off-white bales

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity ML (1+8) 125°C	46 ± 4	MU	ISO 289 / ASTM D 1646
Volatile Matter	max. 0.7	wt %	ISO 248 / ASTM D 5668
Total Ash	max. 0.7	wt %	ISO 247 / ASTM D 5667
Bromine Content	1.80 ± 0.20	wt %	(*)
Antioxidant non-staining	min. 0.03	wt %	(*)
Stabilizer	1.3 ± 0.3	wt %	(*)

(*) LANXESS standard test method available on request

Other Product Features

Property	Typical Value												
Density	0.93 g/cm ³												
Cure Characteristics	<p>Rotorless cure meter conditions: 160°C, 1° arc, 1.7 Hz die oscillation, 30 min running time, no preheat</p> <table border="1"> <tbody> <tr> <td>ML</td> <td>5.5 ± 0.8 dNm</td> <td>ISO 6502 / ASTM D 5289</td> </tr> <tr> <td>MH</td> <td>14.3 ± 2.2 dNm</td> <td>ISO 6502 / ASTM D 5289</td> </tr> <tr> <td>ts1</td> <td>2.7 min.</td> <td>ISO 6502 / ASTM D 5289</td> </tr> <tr> <td>tc90</td> <td>9.0 ± 2.2 min.</td> <td>ISO 6502 / ASTM D 5289</td> </tr> </tbody> </table>	ML	5.5 ± 0.8 dNm	ISO 6502 / ASTM D 5289	MH	14.3 ± 2.2 dNm	ISO 6502 / ASTM D 5289	ts1	2.7 min.	ISO 6502 / ASTM D 5289	tc90	9.0 ± 2.2 min.	ISO 6502 / ASTM D 5289
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Test Formulation	<p>MIM mixed compound: according to ISO 7663 / ASTM D 3958</p> <table border="1"> <tbody> <tr> <td>LANXESS</td> <td>100 (parts by mass)</td> </tr> <tr> <td>BROMOBUTYL X2</td> <td></td> </tr> <tr> <td>IRB #7 black</td> <td>40</td> </tr> <tr> <td>NBS Stearic acid</td> <td>1</td> </tr> <tr> <td>NBS Zinc oxide</td> <td>5</td> </tr> </tbody> </table>	LANXESS	100 (parts by mass)	BROMOBUTYL X2		IRB #7 black	40	NBS Stearic acid	1	NBS Zinc oxide	5		
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Packaging	34 kg bales in dispersible EVA film (Vicat softening point max. 80°C, ISO 306 / ASTM D 1525) or strippable PE film (Melting point max. 105°C, ASTM D 3418); pallets of 30 bales (1020 kg) and 36 bales (1224 kg)
Storage Life/Conditions	2 years from date of production at temperatures not exceeding 35°C and protected against sunlight
Product Safety	Relevant safety data and references as well as the possibly necessary warning labels can be found in safety data sheet no. 407317

These raw material properties are typical and, unless specifically indicated otherwise, are not to be considered as delivery specification.

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