

## Product Specification

# LANXESS BROMOBUTYL 2030

**Product Description** A non-staining, brominated isobutylene - isoprene copolymer with low Mooney viscosity. Product stored according to proper instructions<sup>(1)</sup> should be used within 2 years from date of manufacture.

Raw Polymer Properties	Property	Range	Test Method
	Mooney viscosity, ML 1+8 (125°C) (MU)	32 ± 4	ASTM D 1646 <sup>(2)</sup>
	Bromine (wt %)	1.80 ± 0.20	<sup>(3)</sup>
	Volatile matter (wt %)	0.7 max.	ASTM D 5668 <sup>(2)</sup>
	Ash (wt %)	0.7 max.	ASTM D 5667 <sup>(2)</sup>
	Antioxidant (non-staining) (wt %)	0.03 min.	<sup>(3)</sup>
	Stabilizer (wt %)	1.3 ± 0.3	<sup>(3)</sup>

Cure <sup>(2)(3)(4)</sup> Characteristics	Property	Range	Test Method
	Maximum torque, M <sub>H</sub> (dN.m)	12.5 ± 2.2	ASTM D 5289 <sup>(2)</sup>
	Minimum torque, M <sub>L</sub> (dN.m)	4.3 ± 0.8	ASTM D 5289 <sup>(2)</sup>
	Cure time t'90 (min), tc-90 (min)	9.0 ± 2.2	ASTM D 5289 <sup>(2)</sup>

Other Product Features	Property	Typical Value	Test Method
	Specific gravity	0.93	
	Color	Off white	
	Cure Characteristics <sup>(4)</sup>		
	Scorch time t <sub>s1</sub> (min)	2.7	ASTM D 5289 <sup>(2)</sup>
	Film wrap		
	Dispersible film; Vicat Point (°C)	80 max.	ASTM D 1525 <sup>(2)</sup>
	Strippable film; Melting point (°C)	105 max.	ASTM D 3418

<sup>(1)</sup> See Material Safety Data Sheet

<sup>(2)</sup> Equivalent procedures:

ASTM D 1525 = ISO 306	ASTM D 1646 = ISO 289
ASTM D 5289 = ISO 6502	ASTM D 5667 = ISO 247
ASTM D 5668 = ISO 248	ASTM D 3958 = ISO 7663

<sup>(3)</sup> LANXESS standard method available upon request

<sup>(4)</sup> Rheometric properties determined on ISO 7663 compound (MIM mixed) as follows:

LANXESS BROMOBUTYL	100 (phr)
IRB #7 black	40
NBS Stearic acid	1
NBS Zinc oxide	5

Rotorless cure meter conditions: 160°C, 1 degree arc, 1.7 Hz die oscillation, 30 min running time, no preheat

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