

Product Specification

LANXESS BUTYL 101-3

Product Description A non-staining, medium unsaturation (max. 2.0 mol %) isobutylene - isoprene copolymer with high Mooney viscosity for use as a chewing gum base. Product stored according to proper instructions⁽¹⁾ should be used within 9 months from date of manufacture.

Raw Polymer Properties	Property	Range	Test Method
	Mooney viscosity, ML 1+8 (125°C) (MU)	51 ± 5	ASTM D 1646 ⁽²⁾
	Volatile matter (wt %)	1.0 max.	ASTM D 5668 ⁽²⁾
	Ash (wt %)	0.3 max.	ASTM D 5667 ⁽²⁾
	Antioxidant (wt %)	None added	
	Unsaturation (mol %)	1.75 ± 0.20	⁽³⁾

Compliance to Food Regulations: LANXESS BUTYL 101-3 complies with United States FDA Code of Federal Regulations (CFR) Title 21, Part 177.1420 Isobutylene Polymers, 172.615 Chewing Gum Base, 177.2600 Rubber Articles Intended for Repeated Use.

Other Product Features	Property	Typical Value	Test Method
	Specific gravity	0.92	
	Total Stearates (wt %)	0.5	
	Color	White	
	Residual Monomers		
	Isoprene (ppm)	10 max.	⁽³⁾
	Isobutylene (ppm)	10 max.	⁽³⁾
	Film wrap, FDA compliant		
	Dispersible film; Vicat Point (°C)	92 max.	ASTM D 1525 ⁽²⁾

⁽¹⁾ See Material Safety Data Sheet

⁽²⁾ Equivalent procedures:

ASTM D 1525 = ISO 306

ASTM D 1646 = ISO 289

ASTM D 5667 = ISO 247

ASTM D 5668 = ISO 248

⁽³⁾ LANXESS standard method available upon request

Health and Safety Information: Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., *material safety data sheets and product labels*. Consult your LANXESS Corporation representative or contact the Product Safety and Regulatory Affairs Department at LANXESS.

LANXESS Inc.

P.O. Box 3001, 1265 Vidal Street South, Sarnia, Ontario, Canada N7T 7M2 • Phone: Within Canada 1-800-563-7777, From U.S.A. 1-800-265-0322 • www.US.LANXESS.com

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

Note: The information contained in this publication is current as of 2005-08-11. Please contact LANXESS Inc. to determine if this publication has been revised.