

Product Specification

LANXESS CHLOROBUTYL 1240

Product Description A non-staining, chlorinated isobutylene - isoprene copolymer with low Mooney viscosity. Product stored according to proper instructions⁽¹⁾ 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)	38 ± 4	ASTM D 1646 ⁽²⁾
	Chlorine (wt %)	1.25 ± 0.10	⁽³⁾
	Volatile matter (wt %)	0.5 max.	ASTM D 5668 ⁽²⁾
	Ash (wt %)	0.5 max.	ASTM D 5667 ⁽²⁾
	Antioxidant (non-staining) (wt %)	0.03 min.	⁽³⁾

Cure ⁽²⁾⁽³⁾⁽⁴⁾ Characteristics	Property	Range	Test Method
	Maximum torque, M _H (dN.m)	15.2 ± 2.2	ASTM D 5289 ⁽²⁾
	Minimum torque, M _L (dN.m)	4.5 ± 0.8	ASTM D 5289 ⁽²⁾
	Cure time (50%), tc-50 (min)	3.0 ± 1.1	ASTM D 5289 ⁽²⁾

Other Product Features	Property	Typical Value	Test Method
	Specific gravity	0.92	
	Color	Off white	
	Cure Characteristics ⁽⁴⁾		
	Scorch time t _{s1} (min)	1.2	ASTM D 5289 ⁽²⁾
	Film wrap		
	Dispersible film; Vicat Point (°C)	80 max.	ASTM D 1525 ⁽²⁾
	Strippable film; Melting point (°C)	105 max.	ASTM D 3418

⁽¹⁾ See Material Safety Data Sheet

⁽²⁾ Equivalent procedures:

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

⁽³⁾ LANXESS standard method available upon request

⁽⁴⁾ Rheometric properties determined on ISO 7663 compound (MIM mixed) as follows:

LANXESS CHLOROBUTYL	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

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.