

SEALANTS

HOT MELT BUTYL ROPE

PRODUCT NAME

CRL Hot Melt Butyl Rope
One Component Sealant

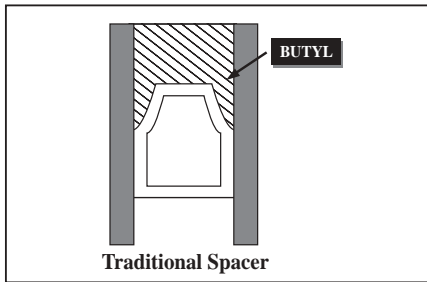
PRODUCT DESCRIPTION

CRL Hot Melt Butyl meets or exceeds Level A when units are tested under ASTM method E773 and ASTM specification E774.

- Level A Requirements of ASTM E773 and E774
- Canadian CSTB 12.8
- Canadian Fog Test

BASIC USES

CRL Hot Melt Butyl is a 100% solids, single-component sealant designed for the sealed insulation glass industry. It is formulated from butyl rubber, synthetic polymers and elastomers to give outstanding adhesion to glass and aluminum when fabricated manually. The product is resistant to degradation from ultraviolet light, temperature extremes and water immersion.



LIMITATIONS

CRL Hot Melt Butyl is not recommended for:

- * Application to soft coat Low-E glass surfaces unless recommended by the glass supplier.
- Use in window units that will be structurally glazed.
- Use in sloped glazing applications.

TECHNICAL DATA

The application and physical properties of CRL Hot Melt Butyl are shown below in Tables 1 and 2.

TABLE 1 - TYPICAL APPLICATION PROPERTIES

Property	Value
Shelf Life	One Year
Hand Gun Application Temp. (at TIP)	390°F - 410°F
Form and Packaging	Drum, Pail, Cake, Tubes, Rope

TABLE 1 - TYPICAL PHYSICAL PROPERTIES

Property	Value
Raw Material Base	Synthetic Resin
Approximate Pounds per Gallon	9.8
Specific Gravity	1.17
Viscosity @ 400°F (204°C)	300,000 cP (mPA.s)
MVTR 100°F (37.8°C)/98% RH 60 mil	0.74 gm/m2/day
Thermal Conductivity	0.25 /m K
RT, Lap Shear - Aluminum	.45 psi

SURFACE PREPARATION

Glass must be cleaned with detergent and hot water when using the CRL Hot Melt Butyl.

We suggest following your glass washer or glass supplier's recommended practices for glass washing. Good Practices include using hot water, 120° - 140°F (48° - 60°C) and detergent.

Do we need to edge delete our Low-E glass?

Some limited performance testing with specific types of non-edge deleted Low-E glass has been done. Your CRL Technical Sales representative can supply you with a list of testing types and results.

Contaminants on the spacer stock affect the adhesion of CRL Hot Melt Butyl. Coil and spacer stock should always be covered when stored. Contaminants like oil, dust, corrosion, and dirt negatively affect the adhesion of any sealant. Check for cleanliness by taking a clean white cloth and wipe the spacer. Any noticeable particles or oils must be removed prior to manufacturing.

GLAZING

All glazing recommendations of the Insulating Glass Manufacturers Alliance (IGMA) should be followed. Contact between CRL Hot Melt Butyl edge seal and any solvent or oil containing glazing compound should be avoided. For recommendations on specific glazing designs or use of glazing compounds, contact CRL Technical Sales.

PRECAUTION

To minimize the risk of burns, eye protection and thermally protective clothing should be worn when working near a hot melt applicator. To minimize the risk of flammable vapors, do not exceed a melt temperature of 450°F (232°C). Prevent the buildup of vapors. Extinguish all sources of ignition during hot melt use. Use only in a well-ventilated area. Consult Material Safety Data Sheet for additional information.

WARNING: Extreme Care Should Be Exercised When Working with Hot Melts in Their Hot, Fluid State.

Severe burns will result if skin contact occurs. When moving a hot melt unit from one location to another, protective gloves should be worn. If skin contact occurs, immediately immerse contact area in cold, clean water for at least 30 minutes. Cover contact area with a wet, clean compress, and see a physician immediately.

SHELF LIFE

CRL Hot Melt Butyl has a shelf life of one year from the date of manufacture.

PACKAGING

Hot Melt Butyl is packed as a roll, in an 11 oz metal cartridge, chunks and in five gallon pails.

DISPOSAL

- In most localities, empty pails or drums may be crushed and sent to a local landfill. Since local landfills have the right to refuse any material, check first.
- Check with the local drum recycler to see if they will accept the empty drums for recycling.
- Empty drums or pails also may be discarded as scrap metal for a local scrapping company.
- Check the Material Safety Data Sheet for disposal requirements.

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PROFESSIONAL QUALITY
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TECHNICAL SERVICE

Complete technical information and literature is available from C.R. Laurence Co., Inc. Any technical advice furnished by the company or any representative of the company concerning any use or application of any sealant is believed to be reliable, but the company makes no warranty, expressed or implied, for any use or application for which such advice is furnished.

LIMITED WARRANTY NOTICE

CRL and its manufacturer warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control in the application process. Therefore, except for such replacement or refund CRL and its manufacturers make no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products. CRL and its manufacturers shall have no other liability with respect thereto. User shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the CRL Product Manager.

COOPERATIVE TESTING

Materials submitted for testing should be sent to:

C.R. Laurence Co., Inc.
Technical Sales Department
PO Box 58923
Los Angeles, CA 90058-0923

This program is intended to eliminate potential field problems by pretesting CRL construction sealants with samples of the building materials on which the sealant will be applied. The test will aid in determining the proper surface preparation method, effective solvents for cleaning and whether priming is necessary to achieve optimum adhesion. Following this procedure will remove many of the unknown variables which affect field success.

Test samples of substrates should be identified as to manufacturer, origin, designed use, building project, person and firm originating the request. Appropriate sketches or drawings showing the intended use can be helpful.

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