

CRL 520 HOT MELT BUTYL

PRODUCT DESCRIPTION

CRL 520 Hot Melt Butyl is a hot applied sealant formulated for single seal insulated glass applications. CRL 520 has been formulated to support the operation of multiple application guns from a single pump station. Formulated to exceed ASTM E-773/E-774 specifications, this easy-to-apply sealant offers exceptional performance under environmental exposure to ultraviolet light, temperature extremes and moisture.

- SUPERIOR FLOW CAPABLE OF SUPPORTING MULTIPLE GUNS FROM A SINGLE PUMP.
- IMMEDIATE HIGH TEMPERATURE PERFORMANCE
- EXCEPTIONAL MVTR PERFORMANCE
- SUPERIOR LOW TEMPERATURE FLEXIBILITY
- EXCELLENT ADHESION TO GLASS AND METAL

CRL 520 Hot Melt Butyl has low PIB-like argon permeability and moisture vapor transmission rates (MVTR).

FEATURES	BENEFITS
Exceptional flow	Enables operation of multiple application guns from a single pump station.
Low moisture vapor transmission (MVT) properties	Long life expectancy
Ultra low volatile content	No chemical fogging No discoloration of low-E coatings

BASIC USE

CRL 520 is formulated to provide a primary moisture barrier for insulated glass units. It is designed for use on automated and manual application lines.

PACKAGING

CRL 520 is available in the following standard packaging:

PACKAGE

CRL520LB: 3/8" x 6" x 17" Slabs, 48 lbs/cs
 CRL520LB45: 6 lb. Chunks, 48 lbs/cs
 CRL5205GL: 5 Gallon Pail
 CRL52055GL: 55 Gallon Drum

HEALTH AND SAFETY

A complete Material Safety Data Sheet (MSDS) is available from CRL for health and safety precautions.

TYPICAL PERFORMANCE PROPERTIES

Moisture Vapor Transmission (ASTM F1249 - 0.080" thickness)	0.2 g/m ² /24 hr.
Static Load Resistance Room Temperature, 5 lb. load) Aluminum/Aluminum (1" x 1" x 0.035")	45 minutes
60°C (140°F), 1 lb. load Aluminum/Aluminum (1" x 1" x 0.035")	15 minutes
Shear Strength Aluminum/Aluminum (1" x 1" x 0.035")	35 psi cohesive failure
Shear Adhesion Failure Temperature Glass/Aluminum (1" x 1" x 0.035") 250g load	71°C (160°F)
Low Temperature Flexibility	Flexible at - 29°C (-20°F)

PHYSICAL PROPERTIES

Solids Content	100%
Color	Black
Brookfield Thermosel Viscosity 190°C	275,000 cps
Press Flow Extrusion Viscosity ASTM D2452 - 115°C	40 seconds
Cone Penetration ASTM D217 - 150g added load	38 dmm
Needle Penetration ASTM D5 - 50g added load	25 dmm
Specific Gravity ASTM D71	1.22
Weight Per Gallon	10.1 lb.

APPLICATION PROPERTIES

Suggested Application Temperature	185-205°C (365-400°F)
--	-----------------------

SHELF-LIFE PROPERTIES

Storage	Store indoors below 38°C (100°F) in dry environment away from all sources of heat
Shelf Life	2 years from the date of manufacture

CRL
Hot Melt ButylPROFESSIONAL QUALITY
MARCH 2005MARCH 2005
PROFESSIONAL QUALITYCRL
Hot Melt Butyl