



Circalok™ 9154FR A/B

Circalok™ 9154FR A/B is a solvent free, two-part, unfilled, urethane casting elastomer. It has excellent hydrolytic stability and high physical properties. It has a controlled open time and cures to a Shore A 90, abrasion resistant coating. Low swell in most solvents. Used in potting electrical cables, general marine sealing and caulking, water resistant roll coverings, water proof fabric coatings, general purpose casting compound, etc.

TYPICAL PROPERTIES:

	<u>Part A</u>	<u>Part B</u>	<u>Mixed</u>
Appearance	Amber liquid	Clear liquid	
Viscosity: 25° C (78°F)	200-500 cps	8,000-14,000 cps	
Density @ 25°C	1.20	1.05	
Flash Point	Over 300°F	Over 300°F	
Storage Conditions	Store @ 60-120°F	Store at 60-90°F	
Mix Ratio (pbw)	50	100	
Mixed Viscosity @ 25°C in 1 minute			4, 000 cps
Pot Life-50 gm batch @ 25°C			15 Minutes
Shelf Life @ 25°C (from date of shipment, stored in a closed container)	6 months	6 months	

Suggested Curing Cycles (for optimum physical properties):

<u>Cure Temperature</u>	<u>Demold Time</u>	<u>Post Cure at R.T.</u>
A. Room Temperature (R.T.)	16 Hours	14 days at R.T.
B. 55°C	2 Hours	16 Hours
C. 75°C	1 Hour	12 Hours

CURED SOLID:

Typical Properties:

Shore A Hardness @ 25°C	90
Specific Gravity @ 25°C	1.06
Tensile Strength	2,223 psi
% Elongation	650

PROCESSING:

Small amounts of Circalok™ 9154FR A/B can be mixed and applied by hand; however, substantial use can often be improved by machine metering, mixing, and dispensing. Hand mixing produces air bubbles which can be eliminated by vacuum degassing at 1-2 mm Hg. Machine dispensing avoids this. Equipment recommendations are available.

These products are harmful if swallowed or inhaled. They cause eye irritation and may cause skin irritation. Avoid breathing mist from spraying or vapors from heated material. Use with adequate ventilation. In case of eye contact, immediately flush eyes repeatedly with water. Wash spills from skin with soap and water. See material safety data sheet.

HANDLING PRECAUTIONS:

The labels on containers of Lord materials contain current information on the hazards associated with each particular product. Most chemicals are skin and eye irritants, and some may actually be corrosive to the skin and eyes. Other problems, such as skin sensitization or serious health hazards may exist. Further information on each product is contained in the Material Safety Data Sheet, which will be sent upon request.

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IMPORTANT NOTICE TO PURCHASERS: Only those properties identified as "specifications" on Lord technical bulletins are tested by Lord's Quality Control Department prior to shipment. The results of these tests must conform to those "specifications". Other properties are "typical". Tests are not run on the "typical properties" of every batch produced. "Typical property" data is not intended for specification purposes and Lord assumes no responsibility and makes no warranty with respect to it. If any property, other than those designated as Lord "specifications", is important to the purchaser, information as to such property will be supplied only upon the basis of test procedures agreed upon between Lord and the purchaser prior to the acceptance of the purchaser order.

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