



LOCTITE® RB EV 9740

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Product description

LOCTITE® RB EV 9740 provides the following product characteristics:

Technology	Butyl-rubber sealant tape
Appearance	Black
Components	Single component
Cure	No cure needed
Application	EV battery housing gasketing
In service temperature	-40 to 80°C
Short exposure (up to 1 hr)	200°C
Specific benefits	<ul style="list-style-type: none">• Seals against a wide variety of materials• Easily handled tape form• 24-month shelf life in unopened original package

LOCTITE® RB EV 9740 is a high quality, strongly adhesive sealing tape based on butyl rubber with plasto-elastic properties. The particularly strong tackiness provides a firm lamination between the contact surfaces and, therefore, a reliable sealing effect. LOCTITE® RB EV 9740 is self-welding. Higher temperature influence for a short time has no adverse effect on quality and function.

Application areas

LOCTITE® RB EV 9740 is used for sealing the battery housing tray or upper cover lid. LOCTITE® RB EV 9740 seals clean and dry overlaps on metals (e.g. steel, aluminum), plastics (e.g. polypropylene) and various types of composites (e.g. sheet molding composites based on carbon fibers and glass fibers).

Typical properties

Technical data

Density, g/cm ³	~1.26
Consistency	soft, plasto-elastic
Solids, %	100
Elastograph value, Nm	0.115
Penetration, (cone 150g, 6s, 3°C), mm	~71 ¹ / ₁₀
Tack	Very strong

Preliminary statement

Prior to use it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet.

Pre-treatment

The substrates must be clean, dry, free of oil, grease and other anti-adhesive contaminants (e.g. release agents). For cleaning Cleaner FL is suitable.

Application

1. Unroll LOCTITE® RB EV 9740 and cut it to the desired length.
2. Apply the tape to the surface requiring sealing and press it on. Experience has shown that it is best not to remove the release paper or film when unrolling the tape, but only after it has been applied and pressed on. In this way any unwanted stretching of the tape during application can be prevented and the sealing tape is protected from dirt.
3. After peeling off the release paper, press on the mating part and fix the entire assembly mechanically, if necessary.

Storage

For safe storage, store between 5 °C and 35 °C. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Store product in unopened container in a dry location. Storage information may be indicated on the product container labeling. Henkel cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Henkel representative.

Product specification

The technical data contained herein are intended as reference only and are not considered specifications for the product. Product specifications are located on the Certificate of Analysis or please contact Henkel representative.



Approval and Certificate

Please contact Henkel representative for related approval or certificate of this product.

Data ranges

The data contained herein may be reported as a typical value. Values are based on actual test data and are verified on a periodic basis.

Temperature/Humidity Ranges: 23°C / 50% RH = 23±2°C / 50±5% RH

Conversions

(°C x 1.8) + 32 = °F
 kV/mm x 25.4 = V/mil
 mm / 25.4 = inches
 µm / 25.4 = mil
 N x 0.225 = lb
 N/mm x 5.71 = lb/in
 N/mm² x 145 = psi
 MPa x 145 = psi
 N·m x 8.851 = lb·in
 N·m x 0.738 = lb·ft
 N·mm x 0.142 = oz·in
 mPa·s = cP

Disclaimer

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