Product Description Sheet

LOCTITE® EA 9430

Known as
Hysol® Product 9430
August 2015

Description

LOCTITE® EA 9430 is a modified epoxy adhesive that attains structural properties after room temperature cure. This two-part adhesive is formulated to give very high peel strength coupled with excellent shear strength. LOCTITE® EA 9430 bonds are resistant to water, salt spray and many common industrial fluids. The tough, flexible nature of this adhesive makes it useful for bonding dissimilar substrates and for assemblies requiring bondline thickness up to one-tenth inch.

Features

High peel and high shear strength
Room temperature cure
Bonds variety of substrates
Long pot life
Excellent low temperature properties

Typical Uncured Properties	Part A	Part B	Mixed
Pot Life @ 77°F, 250 grams mins	--	--	50
Color	Cream	Clear	Off White
Viscosity, cP	200,000 to 400,000	40	12,000
Specific Gravity	1.15	1.00	1.12
Mix Ratio			
By weight	100	23	--
By volume	3.78	1	--
Density, lbs/Gal	9.64	8.35	9.3

Typical Properties	Typical Value
Tensile Strength, psi, ASTM D 638	5300
Modulus, psi, ASTM D 638	380,000
Elongation, %, ASTM D 638	6.0
Hardness, Shore D	75

Shear Strength, psi, ASTM D 1002 Etched Aluminum		
Cure Schedule	**Test Temp ºF**	**Typical Value**
5 Days @ 77ºF	-67	5000
	77	4700
	140	1700
	180	750

Shear Strength, ASTM D 1002 Cured 5 Days @ 77 ºF		
	Test Temp ºF	**Typical Value, psi**
Degreased Aluminum	77	3500
FRP	77	1400
Bonderized Steel	77	2400
Mineral Filled PET	77	850
30 Day Salt Spray	77	4000
30 Day @ 120 ºF/100% RH	77	3700

Peel Strength ASTM D 3167	Etched Aluminum, pli
3 Days @ 77ºF	60

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, (MSDS).

Application

Mixing Combine Part A and Part B in the correct ratio and mix thoroughly. **THIS IS IMPORTANT!** Heat buildup during or after mixing is normal. Do not mix quantities greater than ten pounds (10 lb.), as excessive heat buildup can occur. Mixing smaller quantities will minimize the heat buildup.

Applying Bonding surfaces should be clean and dry. LOCTITE® EA 9430 can be applied with a spatula, brush or dispensing machine. Once the adhesive is dispensed, the bonded parts should be held in contact until the part has developed handling strength. Fixturing can be removed at this point. Since full bond strength has not yet been attained, load application should be small at this time.

Curing LOCTITE® EA 9430 will cure to ultimate properties in 5 days at room temperature. Curing temperatures up to 180°F can be used to reduce cure time. For example, 1 hour at 180°F will give complete cure.

Cleanup It is important to remove excess adhesive from the work area and application equipment before it hardens. Denatured alcohol and many common solvents are suitable for removing uncured adhesive. Consult with your supplier's information pertaining to the safe and proper use of solvents.

Storage

Store product in unopened container in a cool dry location. Ideal conditions are within the range 8 to 21 degrees C (46 to 70 degrees F) and are recommended for long term storage. Exposure to higher temperatures (greater than 28 degrees C) for prolonged periods should be avoided as extended exposure to warm conditions can adversely affect product properties. For further specific shelf life information, contact your local Technical Service Center.

Note

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Corporation, Resin Technology Group, Inc., or Henkel Canada, Inc.the following disclaimer is applicable:

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. Henkel is not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

This document was created and digitally signed by tdx.henkel.com at 2025-11-28T10:05:56.024Z