



1001 Trout Brook Crossing
Rocky Hill, CT 06067-3910
Telephone: (860) 571-5100
FAX: (860) 571-5465

Laboratory Data Sheet

Product 3030

Industrial Product, September 2002

PRODUCT DESCRIPTION

LOCTITE® Product 3030 is a fast curing, two component, thixotropic acrylic adhesive. It is designed primarily to bond to many low energy substrates such as poly(ethylene) and poly(propylene) but can be used as a general purpose adhesive on many other substrates as well.

TYPICAL APPLICATIONS

Product 3030 is designed for bonding to difficult substrates, such as HDPE, LLDPE, and polypropylene. The product offers good resistance to many chemicals.

PROPERTIES OF UNCURED ADHESIVE

	Typical Value
Chemical Type	Acrylic
Appearance	Off white
Viscosity, Brookfield RV, Spindle SC4 28	
Adhesive component	
2 RPM, mPas (cP)	20,000 to 30,000
20 RPM, mPas (cP)	3,500 to 5,000
Activator component	
2 RPM, mPas (cP)	4000 to 5000
20 RPM, mPas (cP)	500 to 1500
Specific Gravity @ 25°C	1.1
Flash Point, TCC, °C (°F)	>93 (>200)

TYPICAL CURING PERFORMANCE

This product cures rapidly when the components are dispensed through a static mixer at room temperature.

PERFORMANCE OF CURED MATERIAL

	Typical Value
Polypropylene, psi	1600
LDPE	2350
HDPE	2200
ABS	1330
PVC	2000
Polycarbonate	2150
Steel	1450
Aluminum	975
Stainless Steel	1000
Environmental resistance, 120°F 100% humidity	
Polypropylene	1025
LDPE	1300
HDPE	2400

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).

Directions for use

Read material safety data sheet before use. Best results achieved when all substrates to be bonded are clean.

Clean-up

Uncured material may be cleaned from dispenser components and surfaces with a variety of solvents; including Loctite Product 7360, Loctite Equipment Flushing Solvent (12121), IPA, acetone, MEK, methylene chloride, etc. Always wash and dry thoroughly prior to re-use of dispenser components. Removal of material that has been mixed should be done quickly as polymerization occurs rapidly. After use, the static mixer may be used in place of the cap. When the product is reused, a new static mixer must be used. Contact your equipment supplier to ensure that any solvents used for cleaning are compatible with individual components.

Storage

Product shall be ideally stored at or below room temperature to insure maximum shelf life. Optimal storage is between 40-75°F. For further specific shelf life information, contact your local Technical Service Center.

Data Ranges

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

Note

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This product is experimental only. It is not now and may never be commercially available NOT FOR PRODUCT SPECIFICATIONS.

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PLEASE CONTACT LOCTITE CORPORATION QUALITY DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS ON SPECIFICATIONS FOR THIS PRODUCT.
ROCKY HILL, CT FAX: +1 (860)-571-5473 DUBLIN, IRELAND FAX: +353-(1)-451-9959

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