



Research Development & Engineering

Tallaght Business Park

Dublin Ireland

Product Description Sheet Product 3455

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PRODUCT DESCRIPTION

Loctite 3455 is an epoxy resin based two component system with a high concentration of Aluminium fillers. It is ideal for repair and bonding of Aluminium and light alloy parts. It cures at room temperature and can be sandblasted, machined, or tapped.

CHEMICAL/PHYSICAL PROPERTIES

Pot life at 20°C, minutes	40
Parts may be handled after	2 to 4 hours
Best results after 48/72 hours at room temperature	
Specific gravity	1.45
Mixing ratio (by volume)	1:1
Colour of the mixed product	Grey
Nature of the product	Tigid
Shore D hardness at room temperature	85
Shear strength at room temperature, MPa	18 to 22

PROCESSING CONDITIONS

Preliminary treatment to all surfaces

The gluing surfaces must be completely greased free, oil free and silicone free. Areas should be cleaned with solvents.

For best gluing results, we recommend a preliminary treatment to all surfaces before gluing.

Warning: Do not apply below 5 °C

Parts and tools can be cleaned with methylene chloride, oil solvents, aromatic solvents, esters, acetone or ketones.

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 oxidising materials.

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

Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 21°C (46°F to 70°F) unless otherwise labelled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information contact your local Technical Service Centre

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

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 Loctite 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 Loctite Corporation's products.** Henkel Loctite 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 Loctite 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.

NOT FOR PRODUCT SPECIFICATIONS.

THE TECHNICAL DATA CONTAINED HEREIN ARE INTENDED AS REFERENCE ONLY.

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

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