Product Description Sheet

LOCTITE® EA 3455

Known as
LOCTITE® 3455
October 2015

PRODUCT DESCRIPTION

Loctite® EA 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 @ RT, 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

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