

Description

J41033 is available in two handling times: 3 and 10 minutes

Technology	Modified methacrylate
Aspect	Liquid
Componant	Two component-1/1 volume ratio.NO –MIX compaibility
Polymerization	At room temperature
Application	Adhesive

Characteristics

J41033 is a two component ratio 1/1 methacrylate adhesive. Ideal for metals and plastics bonding.

J41033 is specifically formulated to provide the highest impact, peel strengths and vibration resistance available in a room temperature curing adhesive.

- Room temperature polymerization.
- **J41033** provides NO-MIX bonding possibilities.
- **J41033** resists against dilute acids, alkalis, solvents, greases, oils, moisture, and weathering.
- **J41033** provides excellent UV exposure resistance.
- **J41033** replaces welding, brazing, riveting and other mechanical fastening methods especially in low temperature environments subject to high impact or high peel loads.

Uncure properties

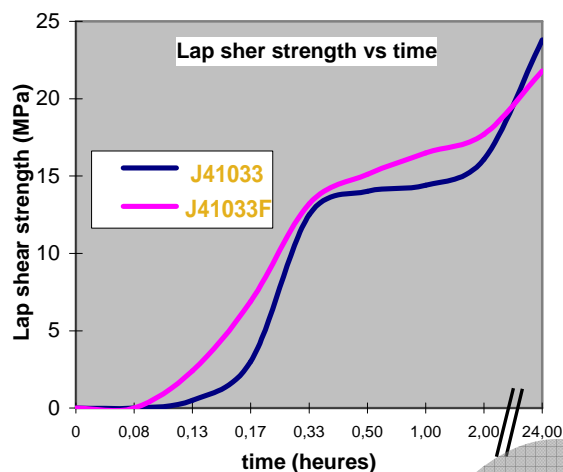
<u>Aspect</u>	J41033 resin = green
	J41033 hardener = brown yellow
<u>Specific gravity (g/cm³ 20°C)</u>	J41033 resin = 0.92 – 0.96
	J41033 hardener = 1.05 -1.10
<u>Viscosity (mPa.s @25°C)</u>	J41033 resin = 2000-3000
Rheometer	J41033 hardener =4000-5000

Physical properties

Hardness (Shore D):	60 - 70
% elongation at break *:	25 - 30
Tensile strength at break (MPa) *:	25-30
Young Modulus (MPa) :	370 - 380
*: with ISO 527-1A norm.	
Tg (DMA °C):	70-72

Curing properties

Open time (min)	1-2, or 4-6.
Handling time @24°C (min)	3 or 10.
Full cure (hours)	24.



Surface preparation

Use ELITE **T700** to remove grease, loose contamination or poorly adhering oxides from metal surfaces. Most plastics require a simple cleaning before bonding. Some may require sanding for best performance.

Storage & packaging

J41033 is available in 50mL, 400mL cartridges; 2.5Liter pail and 20L or 200L drums

For maximum shelf life, keep in a cool and dry area at temperature below 29°C; avoid direct contact with heat and sunlight.

Shelf life is 6 months in unopened original packaging at delivery date.

Mechanical properties

- Lap shear strength* (MPa) with NF1465 on:

	J41033F	J41033
Aluminium 6060	22,0	24,0
Acier	23,0	25,0
PMMA (*)	6,0	6,0

* : (substrate Failure)

- ISO 113-43 Impact resistance: 20-23 N/mm
- On galvanised steel (joint of 0,5 mm) :

Handling

Work in a well ventilated area - Do not swallow!

Flammable. May causes sensitization by skin contact. Irritating to eyes, and skin.

*Data is typical and not to be used for specification purposes.

** Cohesive failure.

Before using this or any ELITE(HK)CO.,LTD product, refer to the Material Safety Data Sheet (MSDS) and label for safe use and handling instructions.

Information provided herein is based upon tests believed to be reliable. Inasmuch as ELITE(HK)CO.,LTD has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, ELITE(HK)CO.,LTD does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party including but not limited to any product end user. Nor does the company make any express or implied warranty of merchantability, or fitness for a particular purpose concerning the effects or results of such use.