

2020-E

2020-E Two Part Clear Methacrylate Adhesive

Product Description:

2020-E is produced in a two component transparent structural methacrylate adhesive, designed for the bonding of high strength plastic and composite applications. This grade is an advanced liquid composite, which combines shock resistance and toughness from a unique blend of hybrid rubbers, with a high tensile shear strength from an innovative liquid plastic resin. Due to demand we produce this system in both a medium viscosity and high viscosity non slump version. Once bonded this fusion of chemistries achieves an ultra high strength bond with excellent chemical and environmental resistance.

Typical Applications:

2020-E is very versatile, and can bond a wide variety of substrates to plastic without the need for surface primers or conditioners. Typical examples shown below:

- Repairing polycarbonate headlights.
- Bonding outdoor lighting lenses and fixtures.
- Assembling electric meter housings and covers.
- Bonding polycarbonate letters in the sign industry.
- Bonding acrylic in POS manufacture.

Instructions for use:

1. Always consult MSDS before using 2020-E.
2. Carry out surface preparation where required.*
3. Remove cap, and attach mixer nozzle.
4. Dispense sufficient adhesive to ensure equal mix.
5. Apply adhesive to one surface and assemble components carefully, clamping if required
6. It is always easier to remove any excess adhesive prior to cure using a suitable cleaner *
7. Allow the adhesive sufficient time to achieve handling strength before moving or unclamping components.

Properties of uncured Material:

Resin	Methacrylate Blend
Colour	Clear
Appearance	Transparent Liquid
Viscosity Spindle 6 @ 20rpm	10,000 cps
Cure System	Exothermic
Open Time	1-2 Minutes @20°C
Handling Strength	4-5 Minutes @ 20°C

Performance of cured material:

ASTM D1002 Lapshear	Acrylic Plastic **	8.2 Nmm2
ASTM D1002 Lapshear	Polycarbonate **	12.5 Nmm2
Gap Fill	3mm	
Temperature Range	-55°C to 125°C	




Packaging, Storage and Shelf Life:

2020-E should be stored unopened in a cool dry location, out of direct sunlight. Stored correctly, this grade can offer a 6 month shelf life from manufacture. 2020-E is available in 25ml, 50ml and 400ml Nylon cartridges for use with a dispensing gun.

These suggestions and data are based on information we believe to be reliable and accurate, but no guarantee of their accuracy is made. Industrial Adhesive Solutions Limited shall not be liable for any damage, loss or injury, direct or consequential arising out of the use or the inability to use the product. In every case, we urge and recommend that purchasers, before using any product in full scale production, make their own tests to determine whether the product is of satisfactory quality and suitability for their operations, and the user assumes all risk and liability whatsoever, in connection therewith. Please contact us for further assistance and information.



For further information, samples and a demonstration, please contact:

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