

Technical Data Sheet E 700

E 700 is a high viscosity cyanoacrylate gel for most of the industrial applications. Especially suitable for bonding rubber, metal and plastics.

E 700 is a one-component-adhesive, easy to handle and fast curing at room-temperature. Resistant against humidity and solvents.

Properties

Uncured monomer

Appearance:	Clear
Chemical type:	Ethyl
Flashpoint:	> 80 °C
Max Gap Fill:	up to 0.10 mm
Shelf Life (room-temperature):	6 months
0° - 5°	12 months
Specific Gravity:	1.12
Viscosity:	45,000 – 105,000 mPas
Full cure:	24 hours
Typical Curing Performance::	
Plastic:	10 – 60 seconds
Rubber:	10 – 60 seconds
Metal:	10 – 60 seconds
Wood:	10 – 60 seconds

Cured Adhesive:

Tensile Strength:	
steel – steel ASTM D-2095	12 – 25 N/mm ²
Tensile shear Strength	
steel – steel ASTM D-1002	12 – 25 N/mm ²

Application

Cyanoacrylate adhesives should be applied in drops. After that the parts should be pressed together. Polymerisation begins after a few seconds.

Preparation

All parts should be clean and be free of oil, grease, etc.

The optimal environmental temperature for the adhesion is between +20° and +25° degrees Celsius and at 50-60 % relative atmospheric humidity. The end hardness speed can be very slow in great cold.

These information are based on laboratory values and our present state of knowledge.

A legal relationship is not vested.

We always recommend to test the products self. The user is responsible for measures for the protection of properties and persons.