

# PLAST SPECIAL

## WITH A FINE NEEDLE-SHAPED NOZZLE

**UHU**


### PRODUCT DESCRIPTION

UHU plast special is a special liquid glue for assembling polystyrene and a wide range of plastic materials with a fine needle-shaped nozzle that enables very precise application as well as access to parts that are difficult to reach. A thin liquid adhesive which forms a tough elastic and crystal clear adhesive film.

### FIELD OF APPLICATION

UHU plast special give an excellent bond on a number of plastics such as polystyrene and impact polystyrene types (ABS, SAN, SB, ASA), polyvinyl chloride (PVC) hard and soft, Plexiglas (PMMA), Celluloid, cellulose ester (CN, CAB), polycarbonate (PC). Additionally, UHU plast fluid/special also glue other materials such as wood, paper, cardboard (in connection with the above mentioned plastics). Not suitable for polyamide (PA), acetal resin (POM), polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), silicon (Si) and foamed polystyrene (is attacked).

### PROPERTIES

- forms a hard but flexible bonding film with a thermoplastic character
- Temperature resistant from  $-30^{\circ}\text{C}$  to approx.  $+90^{\circ}\text{C}$  as well as against water, oil, petrol and alcohol.

• The following maximum values were determined:

Plexiglas  $3.0\text{ N/mm}^2$

polystyrene  $3.4\text{ N/mm}^2$

hard PVC  $4.3\text{ N/mm}^2$

polycarbonate  $4.5\text{ N/mm}^2$

ABS  $6.5\text{ N/mm}^2$  material rupture

### PREPARATION

**Personal safety:** UHU plast special contain volatile, highly flammable solvents. Therefore corresponding safety measures should be taken regarding processing and storage.

**Surface requirements:** The surfaces must be clean, dry and free of oil, grease and dust.

### APPLICATION

#### Directions for use:

Depending on the requirement, apply to one or both of the materials to be joined and stick together immediately. An initial bond strength is attained after 5 - 10 minutes. The high bond strength of UHU plast fluid/special is attained by melting the plastic surface. For this reason, the adhesive should only be applied in small quantities to thin walled plastics.

**Stains/residue:** Smeared adhesive and stains can be removed with acetone or thinner for nitrocellulose lacquer.

### TECHNICAL SPECIFICATIONS

#### Specifications:

Consistency: very low viscosity

Solid content [%]: 8 - 10

Danger class (VbF): A I

Flash point [ $^{\circ}\text{C}$ ]: approx.  $+7$

### PHYSIOLOGICAL PROPERTIES

The dried adhesive is stable, neutral and physiologically safe.

### PACK SIZES

plast special plastic bottle with nozzle 30g