

## TECHNICAL DATA

### PEGACRIL PC GLUE

The Pegacril PCglue, is a very fluid glue adhesive for the bonding and gluing of compact polycarbonate and PVC film.

#### CHARACTERISTICS

- Viscosity: dynamic: 0.456 mPa.s (50 °C)
- Relative density: 0.887 (20 °C) g / cm<sup>3</sup>
- Color: colorless.
- Ignition temperature: 230 °C
- Flash point: -22 °C
- Solubility: Miscible in organic solvents.
- Water solubility: Completely miscible in water.
- Auto-ignition temperature: based on its structure, the product is not classified as self-igniting.
- Expiration: more than three years under normal conditions. The degradation of its components is very slow.
- Hardening of the product by absorption, dissolution and evaporation of the treated pieces.

#### APPLICATION AREAS

For the bonding and joining of materials such as compact polycarbonate and PVC film.  
High technology works in the industrial sector.  
The parts to be treated must be free of tensions, in order to avoid micro cracks due to the action of the solvent.  
High resistance when the glue has evaporated and the polymer is stuck to the pieces.  
You can also tests for bonding other plastic materials.

#### APPLICATION SYSTEM

It is applied with a small bottle or syringe provided with a cannula or needle on the edges of the pieces to be joined, pressing a little in the finishing position.  
The bonding is by evaporation of the solvent, leaving the polymer adhered to the pieces.  
It is important to do previous tests before to check the behavior with the materials in the bonding.  
The paste time is a few minutes.  
The recommended temperature for bonding handling is 20-24°C.  
The pieces or edges to be glued must have perfect planimetry to avoid the formation of bubbles.  
Does not cover gaps completely. Do not use in moisture condensation it can white the stuck.  
The transport and mobility after gluing must be after four hours with the pieces outdoor and without wrapping to evaporate the solvents.  
Complete evaporation of remain solvents is 3 hours outdoors.  
For the cleaning of greases and static charge it is recommended to use the Netacril PT product.

#### Security advices:

We recommend minimum training in the area of occupational risk prevention for personnel who will handle this product, in order to facilitate the understanding and interpretation of this safety data sheet, as well as the labeling of the product.

Directive 67/548 / EC and Directive 1999/45 / EC:  
Contains chloroform and acrylic polymer (PMMA) UN 2810

The classification of the product has been carried out in accordance with R.D. 363/1995 (Directive 67/548 / EC) and R.D.255 / 2003 (Directive 1999 / 45 / EC), adapting its provisions to Regulation (EC) n°1907 / 2006 (REACH Regulation) according to R.D. 1802/2008. Carc. Cat 3: R40 - Possible carcinogenic effects, R22: Harmful if swallowed.

Regulation n°1272 / 2008 (CLP):

H302 - Harmful if swallowed. H351 - Suspected of causing cancer. H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness.

## TECHNICAL SPECIFICATIONS – PEGACRIL PC GLUE

Properties	Value	Units
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### Technical data

Appearance:	very fluid paste	
Color:	colorless	
Dynamic viscosity:	0.456	mPa.s (50 °C)
Relative density:	0.887 (20 °C)	g / cm3
Vapor density:	N.D./N.A.	
Ignition temperature:	230	°C
Auto-ignition temperature:	Based on its structure, the product is not classified as self-igniting.	
Decomposition temperature:	N.D./N.A.	
Flash point:	-22	°C
Evaporation rate:	N.D./N.A.	
Flammability (solid, gas):	N.D./N.A.	
Lower explosion limit:	1.5	% vol.
Upper explosion limit:	12	% vol.
Vapor pressure:	173 mbar	at 20 °C
	586 mbar	at 50°C
Solubility:	Miscible in organic solvents.	
Fat solubility:	N.D./N.A.	
Water solubility:	Completely miscible in water.	
Partition coefficient (n-octanol / water):	N.D./N.A.	
Viscosity: dynamic:	0.456	mPa.s (50 °C)
Explosive properties:	Based on its chemical structure there is no indication of explosive properties.	
Storage:	store in a closed container, cool place and away from heat sources.	
Flash point:	22	°C
Expiration:	> 3	years
Packaging:	aluminum, glass and polyethylene (with polyethylene container can lose weight and increase the viscosity of the product over time).	
N.D./N.A.=	Not Available / Not Applicable due to the nature of the product.	



The properties described here are typical values of the material. Polimer Tecnic is not responsible for the materials of a specific consignment to exactly match the given values, being able to carry out tests of that heading. The above information is based on our experience and is given in good faith. Due to some installation and processing factors that are beyond our knowledge and control, no guarantee is given regarding such information.