



TECHNICAL INFORMATION

BEST-PL 5237

BEST-PL 5237 is a one component solvent free adhesive based on modified acrylate.

BEST-PL 5237 cures at room temperature when exposed to UVA-light with a wave length of 320-500 nm. The speed of cure will depend on UV intensity, type and distance of the lamp, thickness of the parts and of the adhesive layer.

BEST-PL 5237 has a low viscosity. Due to the clear colour and a good strength recommended for bonding glass, plastics and metal especially for an adhesion free of blowholes with different materials. The adhesive is resistant against various chemicals.

The adhesive is applied on the bond surfaces and the parts are joined and exposed to light. The good capillary action provides a wicking into the adhesive gaps. The curing mechanism allows a positioning of the parts shortly after application of the adhesive before the exposure to light.

Due to the flexibility of the adhesive the bonding equalizes tensions of bond parts with different heat parameters. The cross-linking of the adhesive provides a temperature and water-resistant adhesion.

BEST-PL 5237 is ready for use and can be applied from the original container. Bond surfaces should be clean, dry and free from grease and other contaminants.

PROPERTIES (liquid product)

Chemical type	modified acrylate
Curing system	UVA-light- and visible light
Colour	clear
Viscosity (Brookfield 25°C)	1000 mPas/thix
Density (DIN EN 542)	1.1 x 103kg/m ³
Shelf life in the closed container (at room temperature 10 to 23°C)	6 Months



STRENGTH VALUES (cured product)

Tensile strength (DIN 53504)	42 N/mm ²
Elongation at break (DIN 53504)	7 %
Shear strength	
Glass/Glass	33 N/mm ²
Glass/Al	25 N/mm ²
Surface after curing slightly sticky	
Shore Hardness A (DIN 53505)	na
Shore Hardness D (DIN 53505)	na
Temperature range	-60°C up to +120°C

Health and Safety

Adhesive irritates eyes, respiratory organs and skin. After contact with eyes rinse thoroughly and consult a doctor. After contact with skin, rinse with much soap and water. For further information please see the EG-safety data.

General

The data and information above correspond to the current know-how of BEST-Klebstoffe GmbH & Co. KG. Our information and data have been developed from laboratory tests and extensive practical experience. It is the user's responsibility to perform receiving inspections and to determine suitability for the user's purpose of any production methods. We disclaim all warranties expressed or implied, that any product will have specific properties for a particular purpose. BEST-Klebstoffe GmbH & Co. KG reserves the right to change the contents of this document as necessary.

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