

Technical Data Sheet

PMA/TOOLS Impact filler, 20 ml

Product Description

PMA/TOOLS Impact filler is a high-viscosity, solvent-free, one component adhesive which cures photochemically when exposed to UV light.

Application areas

For bonding glass/glass, glass/metal when extremely high optical clarity is required. PMA/TOOLS Impact filler is neither suited for outdoor applications nor for the construction of aquaria. The product may yellow when exposed to temperatures higher than room temperature.

Application

Adhesion surfaces must be dry, clean and free from dust and substances liable to impair adhesion. Common glass cleaners and detergents are unsuitable. Non-observance may lead to reduced bond strength. Apply the adhesive sparingly but in sufficient quantity and without bubbles to one of the adhesion surfaces. Join the parts without tension with a gap width of min. 0.05 mm and max. 0.5 mm. The adhesive is cured by suitable UV lamps.

Technical Data

Material basis:	acrylate
Colour:	clear
Refraction index:	approx. 1,5
Density:	approx. 1,09 g/cm ³
Solids content:	100 %
Flash point:	> 95 °C
Viscosity:	approx. 5500 mPa·s
Consistency:	high viscosity
Gap width:	0,05 - 0,5 mm
Irradiation:	UVA 320 - 400 nm
Use of activator:	no
Hardness Shore D:	approx. 70
Tensile shear strength:	10 N/mm ²
Linear shrinkage:	approx. 8 %

Storage

Store in dry and dark conditions (without UV exposure) in original, unopened container.
Shelf life in normal conditions: 6 months.

Container/packaging units

PMA/TOOLS Impact filler is supplied in 20 ml bottles.
Each packing unit contains 1 individual bottle.

Hazard Indications/ Safety Recommendations/ Transport Regulations

see Safety Data Sheet

This Technical Data Sheet supersedes all previous editions.

Disclaimer

Note:

The above information, in particular the suggestions for processing and use of our products, is based on our knowledge and experience in standard cases. To ensure that the above information in the technical data sheets can be complied with and the respective product used or processed properly, the products need to be stored correctly. In addition, the above information reflects our state of knowledge at the time of printing this note. We are constantly striving to improve our products, and as such reserve the right to make changes to product specifications and processing instructions. The most current technical data sheet at the time of processing/application shall apply. The user must therefore always check the suitability of the products for the intended application and obtain advance information of any changes to the product specifications at PMA/TOOLS. We would like to point out the following: In particular where our products are processed and used without observing the product specification and without complying with the current processing instructions, there will be no warranty for the processed or used product unless the customer (who processed the product) can prove that an alleged defect of the product was already present (i.e. independent of processing or use) when the risk passed from us to him as the customer. Due to the different materials, substrates and different working conditions when processing or using the product, no liability for any working results will be accepted in other regards, except where that we have provided an express assurance for a working result. We would like to point out that any such additional assurance would have to be presented and, if necessary, proved by the party relying on it, i.e. by the party asserting a warranty. In all other respects, our general terms and conditions apply.