

## DESCRIPTION

The PERMACOL 5277 UV A/B is a flame retardant polyurethane casting resin which can be applied for example: electrical and mechanical components.

The casting resin cures at room temperature, so full cure takes place at 20°C.

Technical details	
Mixing ratio	A : B = 100 : 20 (weight)
Viscosity	3.000 mPa.s (D=30/s 23°C)
Pot life	90 min at 20°C
Curing time	24 hrs at 20°C
Colour mixture	Grey
Density	1.50 g/cm <sup>3</sup>
Hardness	60 shore D
Volume resistance	7×10 <sup>12</sup> Ω.cm
Dielectric strength	22 KV/mm
Heat conductivity	0.6 W/mK
Permittivity	5.0 at 50Hz
Dissipation factor	0.03 at 50Hz
Temperature resistance	-30°C up to +100°C

## USAGE INSTRUCTIONS

Make sure the substrates are clean and free from dust, water, grease, fingerprints, oil, etc. Metals are to be sanded before cleaning.

**The A-component should be stirred without producing air bubbles, before adding the B-component.**

Weigh the components according to the mixing ratio and mix until a homogeneous colour is reached.

## BENEFITS

- Very low shrinkage
- Solvent free
- Flame retardant according to UL94 VO

## CLEANING

Uncured adhesive can be removed and cleaned by means of solvents as Ethanol, Acetone, Isopropanol (IPA) or MEK. Cured adhesives must be removed mechanically.

## STORAGE

Store in its original packaging frost free and dry, preferably between 15°C and 20°C. This product is sensitive to frost. See packaging for the expiration date. Shelf life: 6 months.

## SAFETY

Use protective gloves to avoid direct contact with the skin. Check the Material Safety Data Sheet for specific safety information.

As from 24 August 2023 adequate training is required before industrial or professional use.

## PACKAGING

The Permacol 5277 UV A/B is available in different kinds of cans.

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