

PERMACOL[®] 5277 A/B**Flame retardant polyurethane casting resin**

This casting resin has been formulated from an A-component (Polyol) and a B-component (Isocyanate).

The flame retardant component has been added to the A-component.

PERMACOL[®] 5277 A/B Blue has been tested in accordance to UL94 VO.

PERMACOL[®] 5277 A/B Blue is available in sets with mixing ratio A : B = 100 : 20 (weight)

After mixing Permacol[®] 5277 A/B Blue is to be used as polyurethane casting for electrical and mechanical components as well as casting coils, transformers and relays. This casting resin is almost insensible to moist en shows no bubbles after mixing.

We advise to stir the A –component without producing air bubbles, then add the B-component and stir till it is homogenous.

Technical details:

Colour A-component	: Grey white
Colour B-component	: dark brown
Colour of mixture	: Gray
Mixing ratio	: A : B = 100 : 20 (weight)
Open time	: 90 min/20°C
Curing	: 24 h/20°C
Viscosity (mixture)	: 2.500 – 3.500 mPa.s/20°C
Spec. gravity	: 1,50 g/cm ³
Hardness	: 60° Shore D
Volume resistance	: $7 \times 10^{12} \Omega \cdot \text{cm}$
Dielectric strength	: 22 KV/mm
Heat conductivity	: 0,6 W/mK
Permittivity	: 5,0 at 50 Hz
Dissipation factor	: 0,03 at 50 Hz
Max. operating temperature	: 100°C

Permacol[®] 5277 A/B can be applied with a dosage apparatus. During curing neither expansion nor shrinkage will appear.

Storage

Both components, resin and hardener, can be stored for 6 months, if stored dry, at roomtemperatue; this product is sensitive to frost.

Important:

- Avoid contact with eyes and skin (single components as well as mixed product).
- Wear protective work clothes and face protection.
- Do not use solvents to clean the skin from spilled product.

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