

SDF117 PUR Adhesive 60 Min.

Technical datasheet



Description & Application

SDF117 PUR is a two component, room temperature curing, black colored, odorless, thixotropic polyurethane adhesive specially designed for structural bonding of a wide range of materials as thermosetting and thermoplastic materials, steel, aluminum, concrete, wood and glass.

Product data

	Resin	Hardener	Mixed
Appearance	Black	Amber	Black
Specific gravity	1,02	1,17	
Viscosity at 25°C (Pa.s)	1.700	3.000	40.000
Mixing Ratio (Volume)	100	100	
Pot life at 25°C (100gr)			60 min.
Curing Conditions			24h at 25°C

Processing

1. Adhesive products need to be kept dry and clean; the workplace needs to be ventilated;
2. Please check Agent A before use, observe whether there is sedimentation, and stir Agent A well;
3. The amount is taken according to the proportion and the weighing is accurate. Please remember that the proportion is the weight ratio rather than the volume ratio. After the A and B agents are mixed, they must be stirred well to avoid incomplete curing;
4. First heat the resin to 40 °C (in winter)
5. Weigh accurately according to the ratio, stir evenly and stand still without bubbles.
6. Add the mixed liquid to the glue tank, keep the glue tank temperature above 20 °C for extrusion.
7. Very few people will have mild skin allergies and mild itching during prolonged contact with glue. It is recommended to wear protective gloves when using it. Please wipe it off with acetone or alcohol and clean it with a detergent;
8. Before using it in large quantities, please try it in a small amount to master the use skills of the product to avoid mistakes.

Typical cured properties

Thermal conductivity	W/M K ⁻¹	0,21
Dielectric constant	e _r	3,8
Dielectric strength	kV/mm	18
Volume resistance	Ohm-cm	1.2×10 ¹⁵
Tensile strength	N/mm ²	23
Elongation	%	15
Hardness	Shore D	80
Service temperature	°C	-36 to +100
Storage temperature	°C	+20 to +30

The above performance data are typical data measured in a laboratory environment with a temperature of 25 °C and a humidity of 70%, and are for customer reference only.

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Typical cured properties

The below properties have been measured through standard samples tests, made bonding by overlapping samples of different materials of dimensions $100 \times 20 \times 20$ mm with an adhesion area of 20×20 mm.

The values, obtained with standard methods on typical lots, are exclusively provided as technical information, and not as product specification.

In any case, it will be up to the user to test the product for a specific situation and then give his final approval.

