

Casting compound Wepuran VU 4545/101

Wepuran **VU 4545/101** is a solvent-free casting compound of black colour based on polyurethane resin which protects and insulates electronic components and assemblies against extreme climatic influences and aggressive media. Besides exhibiting a good thermal conductivity of approx. 1.7 W/mK and a low water absorption of 0.4 %; it is hardly flammable and corresponds to the best flame class V-0 according to UL 94.


Due to its high viscosity, this casting compound has to be processed in mixing and dosing units. In order to achieve better processing properties, it is recommended to heat up component A to a temperature of about 30 to 50 °C.

Characteristics

Viscosity* at 20°C, ISO 3219 Component A Hardener (Component B)	approx. 47,000 mPas approx. 20 mPas
Density at 20°C, ISO 2811-1 Component A Hardener (Component B)	approx. 1.89 g/cm ³ approx. 1.21 g/cm ³
Shore hardness D after 30 min at 125 °C, ISO 48-1	approx. 70

* measured with Haake RS 600, C 35/1°, D = 100 s⁻¹,
viscosity measuring unit supplied by Thermo Fisher Scientific, www.thermofisher.com

Processing

	Please read this technical report and the publications listed below carefully before using the product. These sheets are enclosed with the first shipment of product or sample.
MSDS	The corresponding material safety data sheet contains detailed information and characteristics on safety precautions, environmental protection, transport, storage, handling and waste disposal.
TI	Technical information TI 15/2 "Selection criteria and processing instructions for casting compounds"
TI	Technical information TI 15/3 "Protective measures when using chemicals including lacquers, casting compounds, thinners, cleaning agents"
TI	Technical information TI 15/10 "Processing of 2-pack systems"

Mixing



Stir before use



Component A : Hardener (Component B) = 10 : 1 (parts by weight)

On the labels of our containers, you will find the volume [L] and weight [kg]. The mixing ratio refers to the weight.

Disclaimer

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ATTENTION! For new products, according to preliminary product information sheets, complete or adequate practical and test results are not always available which would permit a comprehensive assessment of such a product. It is therefore imperative to exercise particular care in the testing of such products with regard to the application intended!

Any questions? We would be pleased to offer you advice and assistance in solving your problems. Samples and technical literature are available upon request.

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