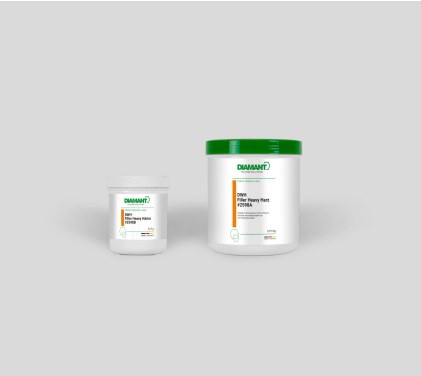
DWH Filler Light #2598



Product description

DWH Filler Light is a low-viscosity, 2-component epoxy resin-based filler. AM Filler light is used for form-fit and force-fit filling and for optimising the properties in terms of density and mechanical load-bearing capacity of 3D cast components. Using casting, injection and moulding processes, even complex shapes and structures can be filled or created with an accuracy in the µm range.

Components filled with DWH Filler Light are significantly more resilient than fully printed 3D plastic components with a lower weight.

DWH Filler Light can be removed again with a micro-thin layer of DIAMANT release agent on the mating surface. The result is an exact copy of the moulded surface. High-precision surface preparation and mechanical post-processing are not required. In modern production technology, process times and costs can be reduced many times over.

Properties

- Low density
- Good recoatability
- Solvent-free system
- Easy to apply
- Self-levelling
- Good thermal and electrical insulation properties
- Mechanically workable
- Various colours available on request
- Non-magnetic

Typical applications

- Filler and composite material in the 3D area
- Sealing and weight optimisation
- Stability increase, static optimisation
- Saving printing time and printing material
- Increasing mechanical strength
- Optimisation of tensile strength

Pack sizes

Article	Description
500ml	
1L	

Custom sizes on request.

Product data Delivery condition

Density	2598A 0,55 g/cm3; 2598B 0,989 g/cm3
Viscosity	2598A 156000 [mPas]; 2598B 75 [mPas]
Mixing ratio	[A : B] (gr) 70,3 : 29,7

Product data mixed

Pot life	300 minutes at 20°C/100g	
Curing	48h to 20°C; 24h to 30°C	
Processing temperature	10°C to 40°C	
Density	0.61 g/cm3	DIN EN ISO 1183
Compressive strength	46.3 N/mm2	DIN EN ISO 604
Strength	75	
Tensile strength	20.1 N/mm	DIN EN ISO 527 1-5

Temperature resistance (permanent)	100 °C	
Temperature resistance (briefly)	160 °C	
Mixed viscosity	5400 mPas	DIN 53019
Pot life at 20 °C/100 g	300 min	DIN EN ISO 9514
Maximum heating at 10 °C	2 °C	DIN EN ISO 9514
Maximum heating at 20 °C	8 °C	DIN EN ISO 9514
Maximum heating at 30 °C	12 °C	DIN EN ISO 9514
Maximum heating at 40 °C	17 °C	DIN EN ISO 9514
Compressive strength prism	40,6 N/mm2	DIN EN ISO 604

Disposal

Cured material can be disposed of with household waste. Uncured material can be disposed of at the local hazardous waste collection centre.

Safety data sheet

Please read the relevant safety data sheet before using the product. Safety data sheets are available on a daily basis on request via info@diamant-polymer.de or by telephone on +49-2166-98360. DIAMANT guarantees the product properties as long as they are stored and used in accordance with the specifications listed here. DIAMANT accepts no responsibility for the processing of the material. Our technicians will be happy to answer any further questions you may have.

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This edition replaces all previous versions.