

Ebalta Silicone Thin Liquid

Silicone

Ebalta Kunststoff GmbH

Message:

ebalta silicone casting compounds are self dissociating, condensation-interlacing two-component silicone rubber suitable for production of elastic castings with good mechanical properties. There are two different silicone rubber products available.

The silicone compound "thin" consists of a low viscous, pearl-white silicone rubber and has very good flow properties. The self-dissociating casting compounds can be cast in any requested thickness. They are used where mechanically stressed parts and moulds with dimensionally stability are required or where high heat resistance is wanted.

- Applications
- Flexible parts
- Casting mould for gypsum
- Casting mould for wax
- Casting mould for plastic
- Casting mould for ceramic materials
- Casting of flexible gaskets
- Cast-in of electric parts
- Art casting
- Properties
- condensation curing
- well castable
- low viscosity
- in-mould releasing

General Information			
Features	Good Dimensional Stability		
	Good Flexibility		
	Good Flow		
	High Heat Resistance		
	Low Viscosity		
Uses	Electrical Parts		
	Gaskets		
	Molds/Dies/Tools		
Appearance	Light Grey		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage	0.50	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	19 to 23		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	2.20 to 3.20	MPa	ISO 37
Thermoset	Nominal Value	Unit	
Thermoset Components			

Hardener	Mix Ratio by Weight: 2.0	
Resin	Mix Ratio by Weight: 100	
Uncured Properties	Nominal Value	Unit
Density (20°C)	1.09 to 1.15	g/cm ³
Viscosity (25°C)	5.0 to 7.0	Pa·s
Curing Time (20°C)	20 to 24	hr
Pot Life ² (20°C)	80 to 90	min
NOTE		
1.	Type 2	
2.	200 g	

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