

Ebalta Silicone High Solid

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 "high-solid" consists of a medium-viscose, pearl- white silicone rubber and possesses very good mechanical properties. Thickening with synthetic silica makes that the silicone can be easily spread. For spreading we recommend an interlace addition of 3%.

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

General Information			
Features	Good Flexibility		
	Good Flow		
	High Strength		
	Medium Viscosity		
Uses	Electrical Parts		
	Gaskets		
	Molds/Dies/Tools		
Appearance	Light Grey		
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)	20 to 26		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	2.80 to 3.80	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)	1.10 to 1.14	g/cm ³
Viscosity (25°C)	30 to 31	Pa·s
Curing Time (20°C)	20 to 24	hr
Pot Life ² (20°C)	20 to 30	min
NOTE		
1.	Type 2	
2.	200 g	

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