

Ebalta MG 815-1 / MG 815

Polyurethane
Ebalta Kunststoff GmbH

Message:

This product is a polyurethane system.
Processing preferentially in standard vacuum casting plants.
As moulding material we recommend our silicone casting compound Silastic® T4 0.
Applications
High quality prototypes, like ABS
Properties
very high temperature resistance
excellent dissolving
very well castable
long potlife

General Information			
Features	High Heat Resistance		
Uses	Prototyping		
Appearance	Black		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage	0.30	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	77 to 83		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	62.0 to 72.0	MPa	ISO 527-2
Tensile Strain (Break)	8.5 to 13	%	ISO 527-2
Flexural Modulus	1850 to 2350	MPa	ISO 178
Flexural Stress	95.0 to 105	MPa	ISO 178
Compressive Stress	85.0 to 95.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	53 to 63	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	137 to 143	°C	ISO 75-2/B
Glass Transition Temperature	135	°C	TMA
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 70		
Resin	Mix Ratio by Weight: 100		
Post Cure Time (100°C)	2.0	hr	
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.14 to 1.18	g/cm³	

Viscosity (25°C)	0.58 to 0.78	Pa·s
Curing Time (70°C)	0.67 to 1.0	hr
Pot Life ¹ (20°C)	5.0 to 7.0	min

NOTE

1. 200 g

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Recommended distributors for this material

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