

Ebalta MG 815 / Comp. A+B

Polyurethane
Ebalta Kunststoff GmbH

Message:

This product is a polyurethane casting resin.
Processing preferentially in standard vacuum casting plants.
Applications
High quality prototypes, like ABS
Properties
high temperature resistance
high impact resistance
very well castable
long potlife

General Information			
Features	High Heat Resistance		
	High Impact 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	67.0 to 77.0	MPa	ISO 527-2
Tensile Strain (Break)	11 to 15	%	ISO 527-2
Flexural Modulus	1900 to 2300	MPa	ISO 178
Flexural Stress	90.0 to 110	MPa	ISO 178
Compressive Stress	72.0 to 82.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	63 to 87	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	127 to 133	°C	ISO 75-2/B
Glass Transition Temperature	122	°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)	1.13 to 1.17	g/cm ³
Viscosity (25°C)	0.40 to 0.60	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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

