

Ebalta MG 815 / MG 815 FR

Polyurethane
Ebalta Kunststoff GmbH

Message:

This product is a filled prototype casting compound on polyurethane base and is flame retardant according to UL 94 V-0.
Processing preferentially in standard vacuum casting plants.
Applications
High quality parts, flame retardant
Properties
flame retardant variation according UL 94 V0
high heat resistance
long potlife

General Information			
Features	Flame Retardant		
	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)	80 to 86		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	42.0 to 50.0	MPa	ISO 527-2
Tensile Strain (Break)	9.2 to 10	%	ISO 527-2
Flexural Modulus	2520 to 3020	MPa	ISO 178
Flexural Stress	65.0 to 75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	15 to 21	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	117 to 123	°C	ISO 75-2/B
Glass Transition Temperature	122	°C	TMA
Flammability	Nominal Value		Test Method
Flame Rating (4.00 mm)	V-0		UL 94
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 120		
Resin	Mix Ratio by Weight: 100		
Post Cure Time (100°C)	2.0	hr	
Uncured Properties	Nominal Value	Unit	

Density (20°C)	1.30 to 1.36	g/cm ³
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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