

Ebalta MG 807 FR / Comp. A+B

Polyurethane
Ebalta Kunststoff GmbH

Message:
This product is a polyurethane casting resin.
Applications
High quality prototypes, like ABS
Properties
flame retardant
long potlife
well castable

General Information			
Features	Flame Retardant		
Uses	Prototyping		
Appearance	Beige		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	82 to 88		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	3700 to 4300	MPa	ISO 178
Flexural Stress	65.0 to 75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	5.8 to 8.8	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	50.0 to 54.0	°C	ISO 75-2/B
Glass Transition Temperature	79.0	°C	TMA
CLTE - Flow	1.0E-4	cm/cm/°C	DIN 53752
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: 100		
Resin	Mix Ratio by Weight: 100		
Post Cure Time (60°C)	4.0	hr	
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.33 to 1.37	g/cm³	
Viscosity (25°C)	0.95 to 1.3	Pa·s	
Curing Time (70°C)	0.58 to 0.75	hr	
Pot Life ¹ (20°C)	5.0 to 7.0	min	
NOTE			

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