

Ebalta GM 956 / GM 956-1

Polyurethane
Ebalta Kunststoff GmbH

Message:

This product is a polyurethane system.
By mixing of hardeners shore hardness between A 38 and A 83 can be reached.
The product can be subject to colour variations due to raw materials, but these colour variations have no influence on the quality and the properties of the product.

Applications

Prototypes with rubber-like properties

Flexible parts

jet mask

Properties

shore A hardness 83

shore hardness (flexibility) variable till A 30

excellent flow properties

transparent

easily dyeable

odourless

high tear strength

free of mercury

General Information			
Features	Good Colorability		
	Good Flexibility		
	Good Tear Strength		
	High Clarity		
	High Flow		
	Low to No Odor		
Uses	Prototyping		
Appearance	Clear/Transparent		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore A)	80 to 86		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	7.00 to 9.00	MPa	ISO 37
Tensile Elongation ² (Break)	530 to 680	%	ISO 37
Tear Strength ³ (1.00 mm)	14 to 16	kN/m	ISO 34-1
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 80		
Resin	Mix Ratio by Weight: 100		
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.38 to 1.42	g/cm³	

Viscosity (25°C)	1.8 to 2.2	Pa·s
Curing Time (70°C)	2.0	hr
Pot Life ⁴ (20°C)	15 to 20	min


NOTE		
1.	Type 2	
2.	Type 2	
3.	Arch shaped test piece with incision	
4.	200 g	

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