

Vacuum Cast V-855 A/B

Polyurethane
BJB Enterprises, Inc.

Message:

V-855 A/B is a rigid, 82 Shore D, two-component, high impact and high strength castable polyurethane. V-855 A/B has been designed to meet a wide variety of part-making applications that range from electronic enclosures to mechanical parts. This system is translucent white in color and it is very easy to color using BJB's Pigment dispersions. V-855 A/B can also be demolded in one to two hours, depending on part thickness and mold conditions. The V-855 A/B has a work time of 3 minutes.

General Information			
Features	Low viscosity		
	High strength		
	Impact resistance, high		
	Good coloring		
	High liquidity		
Uses	Electrical/Electronic Applications		
Appearance	White		
	Translucent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2140	MPa	ASTM D638
Tensile Strength	60.3	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	86.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	66	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	65.6	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity (25°C)	350	cP	ASTM D2393
Demold Time (25°C)	60 - 120	min	
Post Cure Time (52°C)	2.0 - 4.0	hr	

Additional Information

Mix Ratio by weight: 100/88 Mix Ratio by volume: 100/100 Work time, 100 g, 77°F: 1-2 hr

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