BJB Polyurethane TC-889 A/B

Polyurethane

BJB Enterprises, Inc.

Message:

TC-889 A/B incorporates a non-mercury based catalyst system that produces a tough 80 shore D material with a 2.5 minute work time. This system can be used to hand pour electronic housing, models of all kinds, and point of purchase items. This system is also available in a 20-minute work time (TC-892), 12-minute work time (TC-891), and a 5-minute work time (TC-890).
PRODUCT HIGHLIGHTS:
Non-mercury
Convenient mixing ratio: 1 to 1 parts by weight
Demold time: 30-45 minutes*

General Information			
Features	Good Flow High Rigidity Low Viscosity		
Appearance	Opaque White		
Forms	Liquid		
Processing Method	Casting		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity			ASTM D792
-- [1]	1.04	g/cm³	
--	1.14	g/cm³	
-- [2]	1.18	g/cm³	
Specific Volume	0.903	cm³/g	
Work Time [3] (25°C)	2.5	min	
Molding Shrinkage - Flow	0.60	%	ASTM D2566
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	78 to 82		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1650	MPa	ASTM D638
Tensile Strength (Yield)	52.4	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	37	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed	90.6	°C	
1.8 MPa, Unannealed	80.6	°C	
Thermoset	**Nominal Value**	**Unit**	**Test Method**
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 88		
Part B	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Shelf Life	26	wk	
Thermoset Mix Viscosity			ASTM D2393
25°C [4]	830	cP	
25°C [5]	725	cP	
25°C [6]	325	cP	
Demold Time (25°C)	30 to 45	min	
Post Cure Time (25°C)	120 to 170	hr	

NOTE	
1.	Part B
2.	Part A
3.	100g mass
4.	Mixed
5.	Part B
6.	Part A

Recommended distributors for this material

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