BJB Polyurethane TC-886 A/B FR

Polyurethane

BJB Enterprises, Inc.

Message:

TC-886 A/B FR produces a high impact rigid 78 Shore D material that is commonly used to make computer housings, models of all kinds, artwork, and can also be used for electronic component enclosures. It provides a working time of 15 minutes.

General Information			
UL YellowCard	E174527-479905		
Features	Flame Retardant High Impact Resistance Low to No Odor Low Viscosity		
Uses	Computer Components Electrical/Electronic Applications		
Appearance	Opaque White		
Forms	Liquid		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.26	g/cm³	ASTM D792
Specific Gravity			
Part A	1.10		
Part B	1.38		
Ball Pressure Test (75°C)	1.17	mm	IEC 60695-10-2
Gel Time	18.0	min	
Work Time (25°C) [1]	15.0	min	
Brookfield Viscosity			
Part A : 25°C	75	mPa·s	
Part B : 25°C	3500	mPa·s	
Molding Shrinkage - Flow	0.50	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	76 to 80		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1590	MPa	ASTM D638
Tensile Strength	42.1	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	1590	MPa	ASTM D790

Flexural Strength	59.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	33	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	87.8 to 93.3	°C	
1.8 MPa, Unannealed	79.4 to 85.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	V-0		UL 94
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Part B	Mix Ratio by Weight: 85, Mix Ratio by Volume: 68		
Shelf Life	13	wk	
Thermoset Mix Viscosity (25°C)	350	cP	ASTM D2393
Demold Time (25°C)	180 to 240	min	
Post Cure Time (82°C)	16	hr	
NOTE			
1.	100 g mass		

Recommended distributors for this material

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