

BJB Epoxy TC-1614 A/B

Epoxy; Epoxide

BJB Enterprises, Inc.

Message:

TC-1614 A/B is an unfilled, low viscosity epoxy resin system. It is designed to seal porous to semi-porous substrates developing remarkable strength. TC-1614 A/B also has exceptional adhesive characteristics and is capable of high temperatures.

Easy to use and apply

Withstands temperatures in excess of 350°F (177°C)

Penetrates and seals porous surfaces with excellent adhesion

Can be pigmented for color enhancement

Works great for sealing 3D Printed parts

Recommended by several 3D Printer Manufacturers

General Information			
Features	Good Adhesion		
Uses	Coating Applications		
	Sealants		
Appearance	Opaque		
	Yellow		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Specific Gravity			
Part A : 25°C	1.127	g/cm ³	
Part B : 25°C	0.978	g/cm ³	
Shrinkage ¹	0.80	%	
Gel Time	2.5	hr	
Tack Free Time			
25°C	10.0 to 12.0	hr	
49°C	5.0	hr	
Work Time (25°C) ²	2.0	hr	
Brookfield Viscosity			
Mixed : 25°C	600	mPa · s	
Part A : 25°C	550	mPa · s	
Part B : 25°C	250	mPa · s	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	83 to 87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength (Yield)	65.5	MPa	ASTM D638

Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	86.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	23	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Part B	Mix Ratio by Weight: 20, Mix Ratio by Volume: 23		
Shelf Life	52	wk	
NOTE			
1.	12"x1/2"x1/2"		
2.	100 g mass		

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