

BJB Epoxy TC-1622 A/B

Epoxy; Epoxide

BJB Enterprises, Inc.

Message:

TC-1622 A/B is an unfilled laminating resin for high temperature mold and part fabrication formulated to provide superior wet-out and adhesion to a variety of substrates. It is a great material for Vacuum Assisted Resin Transfer Molding (VARTM) as well as other wet lay-up methods due to its low viscosity and long working time. When properly cured TC-1622 A/B can be used for prolonged periods at 350°F (177°C) and can be used at temperatures to 400°F (204°C) intermittently.

General Information			
Features	Good Adhesion		
	Low Viscosity		
Uses	Laminates		
Appearance	Opaque		
	Yellow		
Forms	Liquid		
Processing Method	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Specific Gravity			
Part A	1.127	g/cm ³	
Part B	0.978	g/cm ³	
Shrinkage ¹	0.80	%	
Demold Time (25°C)	1.0	day	
Gel Time	2.5	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)	2.0	%	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.	100g		

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