

# BJB Epoxy TC-1618 A/B

Epoxy; Epoxide

BJB Enterprises, Inc.

## Message:

TC-1618 A/B is an aluminum filled hi-temp epoxy surface coat that provides a tough 90 Shore D surface. This resin compound can be applied with a brush, to a thickness of 1/16" on vertical surfaces or over sharp corners without sag or run-off. TC-1618 A/B features excellent heat resistance with ability to handle constant use at temperatures up to 300°F (149°C). This system does not contain "MDA" or "VCHD".

General Information			
Filler / Reinforcement	Aluminum		
Appearance	Amber		
	Grey		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm <sup>3</sup>	ASTM D792
Specific Gravity			
Part A	1.736	g/cm <sup>3</sup>	
Part B	0.978	g/cm <sup>3</sup>	
Demold Time (24°C)	12.0 to 20.0	hr	
Gel Time	1.0	hr	
Work Time (25°C) <sup>1</sup>	45.0	min	
Brookfield Viscosity			
Mixed : 25°C	54.0	Pa · s	
Part A : 25°C	155	Pa · s	
Part B : 25°C	0.150	Pa · s	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	88 to 92		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3720	MPa	ASTM D638
Tensile Strength (Yield)	49.6	MPa	ASTM D638
Flexural Modulus	5100	MPa	ASTM D790
Flexural Strength	97.2	MPa	ASTM D790
Compressive Strength	193	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	118	°C	ASTM D648
CLTE - Flow	4.2E-5	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		

Part B	Mix Ratio by Weight: 10, Mix Ratio by Volume: 18	
Shelf Life	48	wk
NOTE		
1.	1 lb mass	

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