

BJB Polyurethane TC-300 A/B

Polyurethane
BJB Enterprises, Inc.

Message:

The TC-300 A/B polyurethane foam system is a series of rigid, closed cell foams available in a variety of densities. The TC-300 can be easily mixed by hand in small batches using a rapid, vigorous mixing action or by using a Jiffy Mixer® in a drill to provide a high-shear mix in small to large quantities. For low to high production, these foam systems can also be machine dispensed using BJB's Centerpointe Meter-Mix equipment. Cured parts can be sanded, stapled, painted or stained within a short time after demolding.

General Information			
Features	Paintable		
Uses	Foam		
RoHS Compliance	RoHS Compliant		
Appearance	Amber		
	Brown		
Forms	Liquid		
Processing Method	Foam Processing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
Part A	1.227	g/cm ³	ASTM C177
Part B	1.067	g/cm ³	
K (wear) Factor (25°C)	0.200		
Water Vapor Transmission	0.800	perm/in	
Cream Time	30.0 to 40.0	sec	
Demold Time	30.0 to 45.0	min	
Gel Time	2.0 to 4.0	min	
Tack Free Time	3.0 to 4.0	min	
Brookfield Viscosity			
Part A : 25°C	250	mPa · s	ASTM D2856
Part B : 25°C	900 to 1200	mPa · s	
Closed Cell Content	98	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	1.86	MPa	ASTM D638
Flexural Strength	3.17	MPa	ASTM D790
Compressive Strength	2.28	MPa	ASTM D695
Shear Strength	1.17	MPa	ASTM C273
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mix Ratio by Volume: 87

Part A

Mix Ratio by Weight: 100

Mix Ratio by Weight: 100

Part B

Mix Ratio by Volume: 100

Shelf Life

26

wk

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