

BJB Polyurethane TC-266 A/B

Polyurethane

BJB Enterprises, Inc.

Message:

TC-266 A/B is a two-component, variable ratio, flexible polyurethane foam. With a slight ratio change, the feel of the finished product can range from soft to extremely soft foam. Common applications are prototypes, prosthetics, medical training devices, movie special effects props and more. This material is frequently used to mold behind flexible skin materials such as SkinFlex III, FastFlex, or other BJB elastomers.

TC-266 at a ratio of 50/100 pbw produces a soft, open cell, quick recovery foam with a density of 3 pounds. At 30/100 pbw, the result will be a softer, open cell, slower recovery foam with a density of 5 pounds.

General Information		
Features	Good Flexibility	
Uses	Foam	
	Medical Devices	
	Medical/Healthcare Applications	
	Prosthetics	
Physical	Nominal Value	Unit
Specific Gravity		
Part A : 25°C	1.187	g/cm ³
Part B : 25°C	1.017	g/cm ³
Density		
3# Density	48.1	kg/m ³
5# Density	80.1	kg/m ³
Cream Time		
3# Density : 25°C	15.0 to 20.0	sec
5# Density	25.0 to 30.0	sec
Rise Time		
3# Density	1.3 to 1.5	min
5# Density	1.5 to 1.7	min
Brookfield Viscosity		
Part A : 25°C	205	mPa · s
Part B : 25°C	1200	mPa · s
Cure Time		
3# Density : 25°C ¹	20.0 to 30.0	min
5# Density : 25°C	20.0 to 30.0	min
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A ²	Mix Ratio by Weight: 30	
Part A ³	Mix Ratio by Weight: 50	
Part B ⁴	Mix Ratio by Weight: 100	

Part B ⁵	Mix Ratio by Weight: 100	
Shelf Life	26	wk
NOTE		
1.	Depending on part size and cross section	
2.	5# Density	
3.	3# Density	
4.	5# Density	
5.	3# Density	

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