

BJB Silicone TC-5040 A/B

Silicone

BJB Enterprises, Inc.

Message:

TC-5040 A/B is a room temperature, addition/platinum curing silicone rubber designed for mold making, encapsulation applications, pressure pads, gaskets, and various other types of parts. When this rubber is used to make certain types of molds, it is translucent enough to see through when casting into the mold cavity.

General Information			
Uses	Gaskets		
	Molds/Dies/Tools		
Appearance	Translucent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Specific Gravity			
Part A	1.087	g/cm ³	ASTM D2566
Part B	0.988	g/cm ³	
Shrinkage (2.54 cm)	Nil		
Demold Time (25°C)	16.0 to 24.0	hr	
Gel Time	1.0 to 1.1	hr	
Work Time (25°C)	40.0 to 45.0	min	
Brookfield Viscosity			
Mixed : 25°C	65.0	Pa · s	
Part A : 25°C	125	Pa · s	
Part B : 25°C	0.550	Pa · s	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	35 to 45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5.96	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength	16.6	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 100		
Part B	Mix Ratio by Weight: 10		
Shelf Life	26	wk	

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