

# BJB Silicone TC-5035 A/B

Silicone

BJB Enterprises, Inc.

Message:

TC-5035 A/B is a 35-40 Shore A silicone elastomeric compound that can be mixed by hand and packed into place. It has a thick paste-like consistency and can be formed into desired shapes easily. The TC-5035 A/B cures at room temperature and is an excellent material for making molds or tooling where using an impression is necessary.

General Information			
Uses	Molds/Dies/Tools		
	Tooling		
Appearance	Grey		
Forms	Paste		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	ASTM D792
Specific Gravity			
Part A	1.347	g/cm <sup>3</sup>	
Part B	1.347	g/cm <sup>3</sup>	
Shrinkage	Nil		ASTM D2566
Viscosity - Mixed (24°C)	Putty	cP	
Demold Time	30.0	min	
Work Time <sup>1</sup>	8.0 to 10.0	min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	35 to 40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2.72	MPa	ASTM D412
Tensile Elongation (Break)	170	%	ASTM D412
Tear Strength <sup>2</sup>	7.88	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Part B	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Shelf Life	26	wk	
NOTE			
1.	1 lb mass		
2.	Die B		

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