

BJB Silicone TC-5015 A/B

Silicone

BJB Enterprises, Inc.

Message:

TC-5015 A/B is a room temperature, addition/platinum curing silicone rubber designed for making molds and parts. When used to make molds, the TC-5015 A/B is translucent enough to see-through when casting into the mold cavity. This aids in developing void free surfaces on the casting. TC-5015 A/B is also commonly used to make ink stamp pads as well as other types of pressure pads.

General Information			
Uses	Molds/Dies/Tools		
Appearance	Translucent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	0.968	g/cm ³	
-- ²	1.07	g/cm ³	
--	1.06	g/cm ³	ASTM D792
Shrinkage	Nil		ASTM D2566
Gel Time	30.0	min	
Work Time	25.0	min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	10 to 20		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2.21	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	10.5	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100		
Part B	Mix Ratio by Weight: 10		
Shelf Life	26	wk	
Thermoset Mix Viscosity			Brookfield
25°C ³	31000	cP	
25°C ⁴	80.0	cP	
25°C	15000	cP	
Demold Time (25°C)	1400	min	
NOTE			
1.	Part B		
2.	Part A		
3.	Part A		
4.	Part B		

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