

RTV-2 GI-184B/GI-1000A

Silicone Rubber, RTV-2

Silicones, Inc.

Message:

GI-184B is a high strength, tin-catalyzed, RTV-2 silicone rubber, that can be made thixotropic (non-flowing) with the use of GI-Thixotropic Activator. It has a small amount of flow to allow for some air release when poured, trowelled, brushed or sprayed onto the pattern. It will attain sufficient thixotropy to build enough wall thickness for a good skin mold. GI-184B has been designed to work with silicone rubber spray equipment.

GI-184B can be used with other GI Activators to give good flow characteristics so an initial skin coat may be applied over the pattern to eliminate any trapped air at the mold surface. Generally, the quick curing Activators (GI-Fast Catalyst or GI-Ultra Fast Catalyst) are used for this prime coat. GI-184 can be used with GI-1000A, GI-179A, GI-800A or GI-2020A to pour conventional molds (all mixed 100 to 10 by weight). GI-184 is not sensitive to inhibition, meaning it will cure at room temperature over virtually any surface. GI-184 is extremely useful for vertical or overhead applications where superior mechanical properties are required.

General Information			
Features	High Strength		
	Low Flow		
	Thixotropic		
Forms	Liquid		
Physical	Nominal Value	Unit	
Specific Gravity	1.16	g/cm³	
Shrinkage - Cured	0.10	%	
Coverage - Cured	0.860	cm³/g	
Thermoset	Nominal Value	Unit	Test Method
Shelf Life	26	wk	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- ¹	Blue		
-- ²	White		
Viscosity			
-- ³	0.30 to 0.40	Pa·s	
-- ⁴	85 to 95	Pa·s	
Curing Time	16 to 18	hr	
Pot Life			
-- ⁵	90 to 120	min	
-- ⁶	90 to 120	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness ⁷ (Shore A)	22 to 30		
Tensile Strength	2.59 to 2.93	MPa	ASTM D412
Tensile Elongation at Break	380 to 430	%	ASTM D412
Tear Strength	14.9 to 18.4	kN/m	ASTM D624
NOTE			

1.	Activator
2.	Base
3.	Activator
4.	Base
5.	Mixed
6.	Base
7.	7 Days

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