

RTV-2 XT-585

Silicone Rubber, RTV-2

Silicones, Inc.

Message:

XT-585 is a high strength, two-component, tin catalyzed RTV silicone rubber with excellent resistance to polyurethane resins. It is designed for casting solid polyurethane, epoxies, polyesters and other plastic parts. XT-585 is useful for applications where a strong, flexible rubber is needed and offers the following advantages.

General Information			
Features	Good Flexibility		
	High Strength		
Uses	Mold Making		
Forms	Liquid		
Physical	Nominal Value	Unit	
Specific Gravity			
-- ¹	1.03	g/cm ³	
-- ²	1.23	g/cm ³	
Shrinkage - Cured	0.10	%	
Thermoset	Nominal Value	Unit	Test Method
Shelf Life	26	wk	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- ³	Off White		
-- ⁴	Turquoise		
Density	1.21	g/cm ³	
Viscosity			
-- ⁵	0.35	Pa · s	
-- ⁶	25 to 35	Pa · s	
Curing Time	16 to 18	hr	
Pot Life	60 to 90	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness			
Shore A ⁷	12 to 18		
Shore A ⁸	14 to 20		
Shore A ⁹	17 to 23		
Tensile Strength	2.76 to 3.45	MPa	ASTM D412
Tensile Elongation at Break	630 to 730	%	ASTM D412
Tear Strength	17.5 to 26.3	kN/m	ASTM D624
NOTE			
1.	Activator		

2.	Base
3.	Base
4.	Activator
5.	Activator
6.	Base
7.	1 Day
8.	3 Days
9.	7 Days

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