

RTV-2 XP-540

Silicone Rubber, RTV-2

Silicones, Inc.

Message:

XP-540 silicone rubber is a translucent two-component, addition reaction, platinum catalyzed system that cures at room temperature. It is a higher durometer version of P-44. It has superb physical properties, excellent release and good chemical resistance.

Applications:

XP-540 is used to make molds where visual inspection is required. The combination of physical integrity and hardness make it an excellent choice for prototyping. Due to its flexibility and ease in releasing, it performs well with expandable foam systems, maintaining its shape and detail for multiple castings.

General Information			
Features	Good Chemical Resistance		
	High Clarity		
Forms	Liquid		
Physical	Nominal Value	Unit	
Specific Gravity	1.08	g/cm ³	
Thermal	Nominal Value	Unit	
Service Temperature - Cured	21 to 149	°C	
Thermoset	Nominal Value	Unit	Test Method
Shelf Life	26	wk	
Thermoset Mix Viscosity	40000 to 60000	cP	ASTM D2393
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- ¹	Clear/Transparent		
-- ²	Clear/Transparent		
Viscosity ³	80 to 100	Pa · s	
Curing Time	18 to 24	hr	
Pot Life	60 to 120	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	49 to 55		
Tensile Strength	3.45 to 4.14	MPa	
Tensile Elongation at Break	230 to 280	%	
Tear Strength	14.0 to 21.0	kN/m	
NOTE			
1.	Activator		
2.	Base		
3.	Base		

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