

NuSil R-2180-2

Silicone

NuSil Technology

Message:

The Aircraft Industry has used silicone adhesives and coatings for over five decades. Silicone's ability to maintain its elasticity and low modulus over a broad temperature range provides excellent utility in extreme environments. Recent advances in material technology provide more opportunities for the Aircraft engineer in choosing the best material for an intended application. Examples of NuSil's capabilities in custom silicones for Aircraft are demonstrated in the following sections.

Fuel Resistance

Static Dissipation and Electrically Conductive Silicones

Ice-Phobic Coatings

General Purpose: Ice Phobic

Comment: Cure: 30 M/25°C : 45 M/75°C : 135 M/150°C, 20% Solids

General Information		
Features	Electrically Conductive	
	Fuel Resistant	
Uses	Aircraft Applications	
Physical	Nominal Value	Unit
Solids Content	20	%
Cure System	Platinum	
Operating Temperature	-50 to 200	°C
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Uncured Properties	Nominal Value	Unit
Color	Black	
Viscosity	3.2	Pa · s
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	40	
Tensile Strength	11.4	MPa
Tensile Elongation at Break	1000	%
Tear Strength	52.5	kN/m

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

