

3M Scotch-Weld™ 2214 Non-Metallic Filled Epoxy Adhesive

Category : Polymer , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

3M™ Scotch-Weld™ Non-Metallic Filled is a non-metal filled version of Scotch-Weld adhesive 2214 regular. One part 250°F (121°C) curing 100% solids, 3M™ Scotch-Weld™ Epoxy Adhesive 2214 is a paste consistency epoxy adhesive designed for bonding metals and many high temperature plastics such as fiberglass reinforced plastic, polyester, and phenolics. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-2214-Non-Metallic-Filled-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	50 - 200 cP	50 - 200 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	>= 85	>= 85	
Tensile Strength, Ultimate	62.1 MPa	9000 psi	
Elongation at Break	<= 2.0 %	<= 2.0 %	
Modulus of Elasticity	4.83 GPa	700 ksi	
Shear Strength	2.07 MPa	300 psi	Aluminum Overlap
	@Temperature -53.0 °C	@Temperature -63.4 °F	
	2.76 MPa	400 psi	Aluminum Overlap
	@Temperature 177 °C	@Temperature 351 °F	
	4.14 MPa	600 psi	Aluminum Overlap
@Temperature 149 °C	@Temperature 300 °F		
10.3 MPa	1500 psi	Aluminum Overlap	
@Temperature 121 °C	@Temperature 250 °F		
27.6 MPa	4000 psi	Aluminum Overlap	
@Temperature 24.0 °C	@Temperature 75.2 °F		
31.0 MPa	4500 psi	Aluminum Overlap	
@Temperature 82.0 °C	@Temperature 180 °F		

Thermal Properties	Metric	English	Comments
CTE, linear	130 µm/m-°C	72.2 µin/in-°F	
	@Temperature -30.0 -	@Temperature -22.0 -	

Thermal Properties	100 °C Metric	212 °F English	Comments
Thermal Conductivity	0.209 W/m-K	1.45 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.50e+13 ohm-cm	2.50e+13 ohm-cm	
Dielectric Strength	22.4 kV/mm @Thickness 0.991 mm	570 kV/in @Thickness 0.0390 in	
Arc Resistance	26 sec	26 sec	

Descriptive Properties	Value	Comments
Appearance	Cream	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China