

SS-EPX21170AMBER Technical Data Sheet 23/05/2016

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A General-purpose 2-part epoxy adhesive

SS- EPX21170AMBER Introduction

Key Features

- Long pot life
- Non-toxic
- Excellent adhesion
- Impact resistant
- Good chemical resistance
- RoHS compliant

SS- EPX21170AMBER Physical Data

Physical Data	Resin	Hardener	Mixed
Colour	Clear	Amber	Amber
Specific Gravity	1.17	0.97	1.1
Viscosity (mPas) @25°C	10000	20000	14000

Temperature	10°C	20-25°C (RT)	30°C	60°C	80°C
Working Life (minutes)	70	60	30		
Gel Time (minutes)		90			
Handling (hours)	48	16	8	2	1
Full Cure (hours)	96	32	16	4	2

Packaging and availability

Available in Twin Cartridges, contact Silicone Solutions Ltd for sizes and availability. [Sales@silicone-solutions.co.uk](mailto:sales@silicone-solutions.co.uk)

Storage and shelf life

Material stored in the original unopened containers under cool dry conditions between 15 and 25°C will have a shelf life of at least two years. Once used the containers must be kept sealed to prevent effects from water, air or contaminants.

Health and Safety

Health and safety data sheets are available from Silicone Solutions Ltd.

Limited Warranty

Silicone Solutions Ltd warrants that its product will conform to Silicone Solutions Ltd internal specifications at the time of application or use, provided that the product is stored in accordance with Silicone Solutions Ltd recommendations and used or applied before the earliest of (1) the "use before date" indicated on the product package, (2) six months from the date of shipment, or (3) expiration of such other period or recommended storage time stated in the Silicone Solutions Ltd literature for the product. If notified in writing of a claim within six months of the products use of application, Silicone Solutions Ltd will at its option replace or refund the purchase price of any Silicone Solutions product with does not satisfy the foregoing warranty.

Limitation of Liability

Silicone Solutions Ltd shall in no event whether the claim is based on warranty, contract tort, strict liability, negligence or otherwise be liable for incidental or consequential damages, or for any other damages in excess of the amount of the purchase price. Note: For many products, Silicone Solutions Ltd may be able to offer a more extensive application specific warranty. For further information, contact Silicone Solutions Ltd Sales.

Property	Test Method	Value
Hardness	Shore D	65-75
Operating Temp	°C	-55 to 120
Compressive strength	NM/m ²	64
Surface Resistivity	Ohm.cm	1.6 x 9 ¹²
Dielectric strength	kV/mm	17
Tensile Strength	MPa	44
Thermal Conductivity	W/mK	0.3
Elongation at Break	%	2
Glass transition	°C	~50

Lap Shear Adhesion

Aluminium to Aluminium	7.6 MPa	ABS to ABS	5.5MPa
Copper to Copper	6.1 MPa	Nylon 6 to Nylon 6	2.5MPa
Stainless Steel	9.0 MPa	Acrylic to Acrylic	2.3MPa