

PX821C

Is a one-part thixotropic epoxy resin

Application

- Sealing and bonding electronic parts

Key Properties

- Non-toxic
- Thixotropic
- Long shelf life
- Fast cure
- High adhesion
- Excellent electrical insulation characteristics

Description

- One-part system

Typical Properties

Test	Result	Unit
Colour	Blue	
Shelf life (@ 20°C)	6	Months
Electric Strength	14	kV/mm
Glass transition temperature	90	°C
Lap shear (aluminium to aluminium)	10 –12	MPa
Specific gravity	1.1	
Thermal conductivity	0.3	W/mK
Co-efficient of thermal expansion	60-80	ppm/°C
Thixotropy	2.8-3.5	mm

Contact: Technical Support on 01793 823741 or support@robnor.co.uk for details.

Cure schedule

Temperature	Gel Time (minutes)	Cure Time (minutes)
100°C	20	30
120°C	5	15
150°C	3	10

Approvals

RoHS compliant	Yes
UL94-V0	No
REACH (SVHC concentration)	0%

Packaging

PX821C is available in syringes and bulk packs

Availability

Available through distribution and www.resins-online.com - sales@robnor.co.uk

Syringe Mixing – Part Numbers

PX821C/BL/10S	
PX821C/BL/030S	

It is essential for best results that the syringe is 'balanced' before use to ensure correct mixing. Loading the syringe into the gun before attaching the mixer element and pumping the gun to push a small amount of the contents forward will achieve this. Wipe the excess from the syringe tip and add the static mixer. The syringe is now ready for use.

Bulk Materials - Part Numbers

PX821C/NC/1KG	
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Storage and Shelf Life

Material stored in cool dry condition between 10 and 15°C will have a shelf life of 6 months. Once used the containers must be kept sealed to prevent effects from water, air or contaminants.

Comes within the Highly Flammable Liquids Regulations 1972 and the Petroleum Consolidated Act 1928.

Health and Safety

May cause sensitisation by skin contact or inhalation.

It is therefore strongly recommended that skin and eye contact is avoided by the using of appropriate personal protective equipment such as gloves, safety glasses or goggles and overalls. Wash any contamination from the skin immediately and thoroughly and do not eat, smoke or drink in the working vicinity. Under normal working conditions a good source of ventilation is adequate, however if the material is heated, or where vapour levels are likely to exceed the occupational exposure limits appropriate respiratory protection must be worn. Local exhaust ventilation (LEV) may be required where large volumes of material are curing.

The above is given as a guide only; Please refer to PX821C Health and Safety data or our Technical Service Department for individual/specific advice.

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The results and information above does not constitute a specification and is given in good faith and without warranty. The information is derived from test/or extrapolations believed to be reliable and is quoted for guidance only. The product is offered for evaluation on the understanding the customer satisfies himself that the product is suitable for his intended by proper evaluation and testing.

Contact Details

Robnor Resins Limited
Hunts Rise
South Marston Park
Swindon SN3 4TE
United Kingdom

Tel: +44 (0) 1793 823741
Fax: +44 (0) 1793 827033

Email: support@robnor.co.uk
Web: www.robnor.co.uk
Buy Online: www.resins-online.com (UK only)