

Cured Properties

Properties	Standard	Units	Result (Full Cure)
Hardness	BS 2782: Part 3: Method 365B	Shore D	TBC
Tensile Strength	BS 2782: Part 3: Method 320B	MPa	TBC
Elongation at break	BS 2782: Part 3: Method 320B	%	TBC
Tear Strength	BS 903: Part A3	kN/m	TBC
Maximum Operating Temperature (continuous)	Alchemie STM 24	°C	TBC
Maximum Operating Temperature (short term)	Alchemie STM 24	°C	TBC
Minimum Operating Temperature	Alchemie STM 24	°C	TBC

Electrical Properties

Properties	Standard	Units	Result (Full Cure)
Electric Strength	BS EN 60455-2: 1999	kV/cm	TBC
Loss Tangent (50Hz, 25°C)	BS EN 60455-2: 1999	-	TBC
Permittivity (50Hz, 25°C)	BS EN 60455-2: 1999	-	TBC
Volume Resistivity	BS EN 60455-2: 1999	ohm-cm	TBC

Method of Use

ALCHEMIX PU 7270F can be hand mixed or machine dispensed. Compatibility with mixing machine should be tested prior to large scale usage. ALCHEMIX PU 7270FA and FB should be mixed at the stated ratio; deviation from this ratio will reduce the physical properties of the material. Both components should be thoroughly mixed; incomplete mixing will give wet spots, and will reduce the physical properties of the cured system.

Storage

ALCHEMIX PU 7270FA and FB should be stored in original, unopened containers between 20 and 25 °C. ALCHEMIX PU 7270FB may crystallise partially or completely if not stored at above 20 °C. Like all polyurethanes, both components are moisture sensitive. Moisture absorption will cause excessive aeration in cast parts. KEEP THE PACKING TIGHTLY SEALED WHEN NOT IN USE.

If stored under the above conditions, ALCHEMIX PU 7270FA and B will have a shelf life of 6 months, from the date of production.

Packaging

ALCHEMIX PU 7270FA is supplied in 1kg, 5kg and 25kg
ALCHEMIX PU 7270FB is supplied in 250g and 5kg
ALCHEMIX PU 7270F can also be supplied in 500g and 1kg twinpacks for convenient mixing and dispensing.

(Please contact Alchemie Ltd for bulk supply)

Further Information

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum.

Our technical advice, whether verbal, or in writing is given in good faith, but without warranty – this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended process and use.

Before using any of our products, users should familiarize themselves with the relevant Technical and MSDS provided by Alchemie Ltd.

Alchemie Limited

Alchemie Ltd develop, formulate and distribute Epoxy Resins, Polyurethane Resins, Silicones, Model Boards and Sheet Wax for use in the following applications:

- Electrical encapsulation
- Rapid Prototyping
- Prototypes
- Casting
- Gel Coating
- Laminating
- Model Making
- Master Models
- Flexible and rigid mould making

We offer fast service, technical support, development expertise, innovative products, diverse knowledge and experience.

We are a well-established company, with a high level of investment and experience. We implement BS EN ISO 9001.

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