

Liquid Rubber 5 Minute (Black)

PU21 Liquid Rubber 5 Minute sets to a hard polyurethane rubber, suitable for creating replacement components, including rubber couplings, and is also used as a high performance general-purpose electrical encapsulant.

PU21 has an excellent, smooth finish and is low in viscosity resulting in a resin system with excellent adhesion properties, low stress thermal cycling characteristics whilst still retaining the flow properties necessary to fill intricate units.

PU21 is uniquely developed for fast-paced production environments in order to reduce the production cost without sacrificing important physical properties

Applications

- Create new and replacement rubber components
- Repair worn or damaged rubber equipment
- Create rubber gaskets and seals quickly
- Encapsulate electrical components

Advantages

- Fast Cure
- Low viscosity
- Excellent adhesion
- Excellent electrical properties
- Low stress thermal cycling
- Excellent chemical stability

Technical Data

A selection of typical properties are listed below for the different combinations

Shelf Life	6 months
Mix Ratio (Weight)	1:1
Viscosity (mPa.s)	800-1200
Density (g/cm³)	1.05
Working Time (mins)	4:30
Recoat Time (mins)	60
Functional Cure (hours)	24
Full Cure Time (days)	7
Hardness - after 7 days (Shore A)	95
Tensile Strength (MPa)	10
Elongation at Break (%)	340 - 400
Tear Strength (kN/m)	65 - 75
Linear Shrinkage (%)	< 0.2
Dielectric strength kV/mm	33

(Cure times are based upon a 200g mixture at 25°C)

Storage

Should be stored in a cool dry place in original containers. Part A and B are both moisture sensitive so the lids must be kept on tightly. If stored correctly in original sealed containers should have a shelf life of at least 6 months.

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy themselves that each product is fit for the purpose for which they intend to use it, that the actual conditions of use are suitable and that in the light of our continual research and development programme the information relating to each product has not been superseded.