

TASLSA

Track Analysis Systems South Africa (Pty) Ltd.

Always on the right track with TASL



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TASTRAK

PADC Dosimetry Grade Plastic



Track Analysis Systems Ltd. specialist in etchable plastic and laboratory systems for radiation research and dosimetry.

Plastic

TASTRAK, a PADC, is a clear, stable plastic which is sensitive to the tracks of energetic protons, alpha-particles and heavier nuclei. After exposure, the tracks may be revealed by etching the material in solutions such as caustic alkalis.

Chemical name: Polyallyl diglycol carbonate (PADC), also known as **TASTRAK**.

TASTRAK is a plastic made specifically for nuclear track detection.

The plastic is manufactured to high standards and can also be used for optical windows and other specialist applications. PADC was developed in 1933 and is most commonly used in spectacle lenses.

Current usages of **TASTRAK** includes radon and neutron dosimetry, fusion studies, alpha particle autoradiography, uranium exploration, cosmic ray studies and kits for the teaching of radioactivity in schools and colleges.



Properties

TASTRAK is supplied as whole sheets or cut and scribed. We will be pleased to supply customised cut and engraved **TASTRAK** in any almost conceivable size shape and quantity. Scribed features include rectangular boxes, circles, incrementing numbers, dot codes, titles and drilled holes - please contact us for a quote.

Each batch of plastic is tested for background and alpha-particle response, ensuring the highest standard of dosimetry grade plastic.

Available thicknesses for TASTRAK

- 1.5 mm
- 1.0 mm
- 0.75 mm
- 0.50 mm

Specialist thicknesses available are:

- 100-500 micron
- Greater than 1.5 mm

We also offer a complete analysis system for **TASTRAK** or any PADC plastic, e.g. CR-39, PN3, the **TASLIMAGE** system. The **TASLIMAGE** system is designed for both easy use in routine neutron and radon dosimetry and as a more flexible research analysis system. Please contact us for further details.