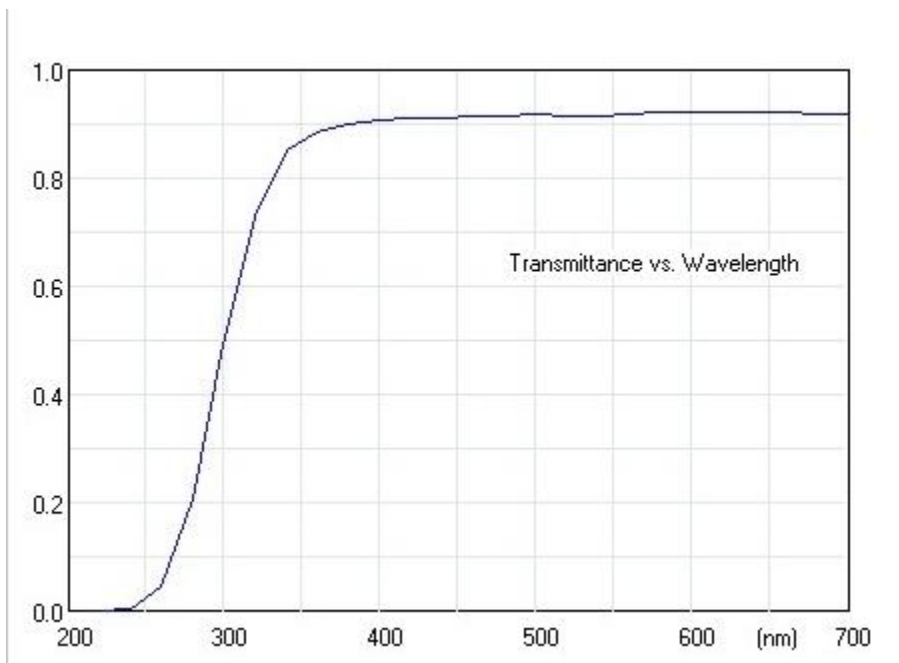


TASTRAK
MSDS-070314-1 (Revision 12)
Safety, Storage and Handling

Product Name: **TASTRAK**
Chemical Name: Polyallyl Diglycol Carbonate (PADC)
Manufacturer: Track Analysis Systems Ltd
Napier House
Meadow Grove
Shirehampton
Bristol BS11 9PJ
UK
Telephone: (0) 117 938 1172
Fax: (0) 117 372 0667

Physical Data: Clear, stable, rigid plastic of density 1.3
Refractive Index at 20⁰ C n_D 1.503

Optical transmission :



The transmission curve is the average obtained from eight samples from different batches of 1.5mm material. The measurements were made on a Unicam UV2 spectrometer against an air reference, and the readings have not been corrected for Fresnel reflection losses, which are about 4% at each surface.

Modulus of Elasticity in Flexure, 10^5 psi 2.7-3.5 at 25⁰C
Specific Heat 1780 J/Kg⁰C

Hazards : Burning may produce toxic fumes
Beware sharp cut edges
Handle and dispose of with care

Etch Track Detector specific information

Testing: All TASTRAK batches are tested by TASL using 6.25N NaOH solution. Background tests are performed with an etch for 1h at 98°C. An alpha-particle check is performed with a 1h etch at 98°C. Use of much longer etch times or much lower temperatures than these may not give acceptable results.

Processing: Concentrated etch solutions at elevated temperatures are hazardous by contact and ingestion. Do not inhale etch vapours. Post etch solutions are equally hazardous and contain a variety of organic etch products. Handle with care and dispose of according to local regulations.

Recommended Storage:

For best results, TASTRAK should be stored in sealed radon proof bags in a deep freeze (recommended temp -15C or below). This minimises ageing and radon diffusion through the bag seal. Before use, allow to warm up thoroughly before opening bag.

Handling: Avoid stressing the plastic, long exposure to UV light and contact with water during exposure. Minimise handling at all times and avoid bringing into contact with sharp objects or abrasive surfaces. Heavy pressure during cleaning may scratch the plastic and produce spurious features after etching. Handling etched plastic with bare hands may result in grease blocking the mouths of tracks and spoiling their appearance.

The information given is based on the best information known to Track Analysis Systems Ltd.

No warranty, or implied warranty is made that any specific product will conform to the properties listed above, or that the product supplied will be suited to any specific purpose.