

## PENTAERYTHRITOL TETRACRYLATE

### Description

UVP 0401, Pentaerythritol tetracrylate (PETA) is a liquid monomer with fast cure response and low volatility during free radical polymerization. It has a low skin irritancy and high cross density upon curing.

### Product Highlights

Fast cure response  
Light colour  
High crosslink density  
High gloss and hardness  
Low skin irritancy

### Performance Verification

Good Weatherability  
Good water and chemical resistance  
Good abrasion resistance  
Good heat resistance  
Good Flexibility  
Hardness

### Suggested Applications

Inks Paints  
Binder Adhesives  
Sealents  
Glass , Metal optical coating  
Electronics , elastomers, solder masks  
Paper , PVC floor , wood coatings

### UVP 0401 Typical Physical and Chemical Properties

Appearance	Clear Liquid
Colour in Gardner scale Maximum	1
Acid Value mg Koh/g maximum	3
Viscosity @ 25 C in Cps	500 - 700
Viscosity by FCB4 30 C	110 - 130
Functionality	4
Molecular Weight	352
Density g/Cm <sup>3</sup>	1.18 +- 0.01
Refractive index	1.4847
Tg C	103
Surface Tension dynes/cm	40.1

### Storage And Handling

Should be stored in cool dark place, Avoid direct sunlight exposure on the stored /in use material. Please refer to Material safety data sheet for more information regarding storage and handling conditions.

### PACKING CODES

PAC 0115 Polyethylene closed head drums Black 200 Kgs  
PAC 0122 Polyethylene closed head drums Black 90 Kgs  
PAC 0132 Polyethylene closed head drums Black 50 Kgs  
PAC 0141 Polyethylene closed head drums Black 20 Kgs