

**Technical data sheet** 

**MPD** Industries P Ltd.

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## 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 resistence
Good abrasion resistence
Good heat resistence
Good Flexibilty
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/Cm3	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

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