

Technical Data Sheet

PL-TPO

Description

Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide is a Type I photoinitiator best known for its through cure abilities. It is soluble in most monomers, oligomers and pre-polymers but insoluble in H₂O.

Performance Properties

Excellent through cure
Low yellowing
Excellent in white pigmented systems and thick clear coatings

Typical Applications

Coatings for graphic arts, wood, plastics, metals. Printing inks such as inkjet, flexo, screen, litho and dry offset.
Adhesives

Product Highlights

Appearance: Pale yellow crystalline powder
Chem. Class Mono Acyl phosphine
Mol. Formula: C₂₂H₂₁O₂P
Mol. Wt. 348.4
Melt Point: 90 °C (194 °F)
Boiling Point > 250 °C
Spec. Gravity 1.12
Odor: Faint, characteristic
Abs. Peaks 295, 368, 380, 393
Usage Levels 0.5 – 4.0%

All Information contained in this data sheet is given in good faith and without liability. It is intended to serve only as guidance. Users are advised to conduct their own evaluation of the product to determine its proficiency into products and processes. Users should ensure that the use of the product complies with all applicable current legislation.