

Omnirad TPO

Technical DataSheet | Supplied by IGM Resins

Omnirad TPO by IGM Resins is 2, 4, 6-trimethylbenzoyl-diphenyl-phosphine oxide. Acts as a free radical photo initiator. It is designed for UV/radiation curing systems. Omnirad TPO is used in offset and flexographic inks and wood coatings.

Product Type	Photoinitiators Free radical photo initiator
Chemical Composition	2, 4, 6-trimethylbenzoyl-diphenyl-phosphine oxide
CAS Number	75980-60-8
Product Status	COMMERCIAL
Applications/ Recommended for	Coatings > Waterborne Coatings > UV / Radiation Curing Inks > UV / Radiation-curable Inks > Flexographic inks Inks > Lithographic and Offset Inks Coatings Markets > Wood & Furniture Coatings
Labels/Agency Rating	EC TSCA

Omnirad TPO Properties

Property	Value & Unit	Test Condition	Test Method
Purity	99 %		
Melting point	91 - 94 °C		
Molecular weight	348.4 g/mol		
UV-Absorption, Lambda Max	275. 379 nm		

SpecialChem additionnal informations Based on CAS Number : 75980-60-8

Hansen Solubility Parameters

[20.1, 11.7, 6.1]

[δ D - Dispersion force interactions, δ P - Polar force interactions, δ H - Hydrogen bond force interactions]

Please note, these HSP values are estimations. It is based upon the like seeks like principle. It splits an ingredients interactions into three parameters; δ D (Dispersion force interactions), δ P (Polar forces interactions) and δ H (Hydrogen bond force interactions). Hansen Solubility Parameters can help you find a wide range of products that are predicted to be compatible with Omnirad TPO. A practical determination of these HSP values would provide higher certainty. [Learn More.](#)

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