

YIPHOS[®] 3010

产品说明书 (TDS)

产品介绍

二亚磷酸季戊四醇二异癸酯

$C_{25}H_{50}O_6P_2$

分子量：508

CAS NO. : 26544-27-4



物理特性

外观	澄清透明或白色浊状液体
含量, %	≥ 98.50
折光率(60℃)	1.4400-1.4590
比重(水=1)	1.020-1.040

产品特性

常温下为液态流动状，添加方便；
无游离酚残留，更加符合环保要求；
有效磷含量≥12%，用量更小；
季戊四醇螺环结构，耐热性能更佳；
更加优秀的色泽改良性及长效稳定性。

应用说明

YIPHOS[®] 3010可应用PVC环保稳定剂，可提高PVC制品的透明度以及耐温性能。YIPHOS[®] 3010不含任何游离酚且水解或降解亦无酚类产物生成，是完全无酚亚磷酸酯抗氧化剂。

YIPHOS[®] 3010添加在（不）饱和树脂、聚酯多元醇、环氧树脂等高分子材料中，可保护聚合物加工合成过程的色泽度以及提高聚合物的后期热稳定性。

安全指导

遵循良好的工业操作规范，尽量避免不必要的人体接触。产品应存放在常温干燥通风处；远离火种、热源；远离强氧化剂和还原剂。详细资料请参考本公司的MSDS报告。

Yiphos[®] 3010

Technical Data Sheet

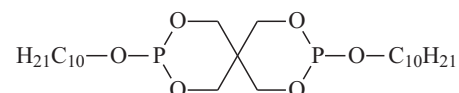
Introduction

Diisodecyl Pentaerythritol Diphosphite

$C_{25}H_{50}O_6P_2$

Molecular weight: 508

Cas No.: 26544-27-4



Physical

Appearance	Clear liquid or white turbid liquid
Assay, %	≥ 98.50
Refractive Index (60°C)	1.4400-1.4590
Density, g/ml (25°C)	1.020-1.040

Properties

- Liquid antioxidant at normal temperature, ease of handling
- No free phenol residue, environmental friendly
- Active phosphite content $\geq 12\%$, less dosage
- Pentaerythritol spiro structure, excellent thermal resistance
- Outstanding color improvement and long-term stability

Applications

Yiphos[®] 3010 can be applied in PVC as environmental-friendly stabilizer and it can improve the transparency and temperature resistant properties of the PVC products. Yiphos[®] 3010 doesn't contain any free phenol and phenolic product isn't generated after hydrolysis or degradation. It is the phosphite antioxidant which has not phenol completely.

Yiphos[®] 3010 can be used in the polymer such as unsaturated resins, saturated resins, polyester polyol, epoxy resins etc. It can protect the color during the polymer synthetic process and improve the heat stability of the polymer in the latter period of the reaction.