

YIPHOS[®] 3010W Technical Data Sheet

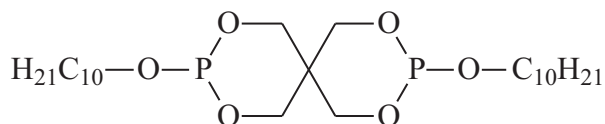
Introduction

Diisodecyl Pentaerythritol Diphosphite

$C_{25}H_{50}O_6P_2$

Molecular weight: 508

CAS NO. : 26544-27-4



Physical

Appearance	Colorless transparent or white turbid liquid
Color(APHA)	≤50
Acid Value, mgKOH/g	≤0.1
Refractive Index(25°C)	1.4700-1.4780
Density, g/ml (25°C)	1.020-1.100

Properties

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

Applications

YIPHOS[®] 3010W can be used in PVC as environmental-friendly stabilizer and it can improve the transparency and temperature resistant properties of the PVC products. YIPHOS[®] 3010W 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[®] 3010W 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.