

YIPHOS[®] 3010W

Technical Data Sheet

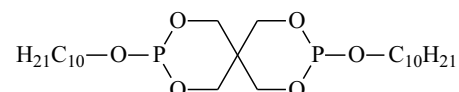
Introduction

Diisodecyl Pentaerythritol Diphosphite

$C_{25}H_{50}O_6P_2$

Molecular weight: 508

Cas No.: 26544-27-4



Physical

Appearance	Colorless and transparent Liquid
Assay, %	≥ 98.50
Color(APHA)	≤ 50
Acid Value(mg KOH/g)	≤ 0.1
Refractive Index (60°C)	1.4750-1.4920
Density, g/ml (25°C)	1.020-1.100

Properties

Liquid antioxidant at normal emperature, 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 applied 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.