

# YIPHOS<sup>®</sup> 3019

## Technical Data Sheet

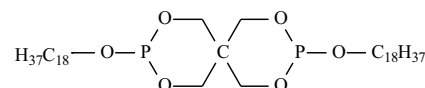
### Introduction

Distearyl Pentaerythritol Diphosphite

$C_{41}H_{82}O_6P_2$

Molecular weight: 732

Cas No.: 3806-34-6



### Physical

Appearance	White flake
Assay, %	≥ 98.50
Melting Point, °C	52-58
Refractive Index (60°C)	1.4300-1.4500
Acid Value (mgKOH/g)	≤ 0.1
Volatile Component, %	≤ 0.3

#### Solubility (g/100g solvent, 25°C)

Water: < 0.01      Acetone: 0.3      Toluene: 30      Chloroform: 45

#### TGA (°C, % mass loss)

Weight loss, %	5	10	50
Temperature, °C	152	175	260

### Applications

YIPHOS<sup>®</sup> 3019 is very suitable for the polymer application which requires high temperature process because of its properties of pentaerythritol structure and high molecular weight. It contains diphosphite structure and the content of alkyl trivalent phosphorus is higher, so the antioxidation effect is more outstanding and effective. YIPHOS<sup>®</sup> 3019 is produced through the phenol free process, no free phenolic residue and it is environmental friendly. Synergism when used with hindered phenol antioxidants.

YIPHOS<sup>®</sup> 3019 can be used in ABS, PS, HIPS, NBR, SBS, PP, PE, LLDPE, PVC, PC, PA, PET, UP etc.