

YIPHOS[®] 2109 Technical Data Sheet

Introduction

7-[2-(2-hydroxymethylethoxy)methylethoxy]tetramethyl-3,6,8,11-tetraoxa-7-phosphatridecane-1,13-diol

$C_{18}H_{39}O_9P$

Molecular weight: 430

$(HOC_3H_7OC_3H_7O)_3P$

CAS NO. : 36788-39-3

Physical

Apperance	Colorless liquid
Color(Pt-Co)	≤50
Acid Value, mgKOH/g	≤0.2
Viscosity (mPa.s@25°C)	200-300
Density, g/ml (25°C)	1.090

Applications

YIPHOS[®] 2109 is a special kind of alkyl phosphite polymer, it is an effective stabilizer of heat, color and viscosity. It can be used in polymers including polyester fiber and polyurethane.

YIPHOS[®] 2109 can also be used as a new multi hydroxyl reactive flame retardant. When it's used in the production of flame composite polyether polyurethane soft foam, it can inhibit flame and improve the foam layer of hot melt and curing performance, improve the fabric and bonding strength of polyurethane foam sheets, shorten curing time, improve production efficiency.