

# YIPHOS<sup>®</sup> 2103

## Technical Data Sheet

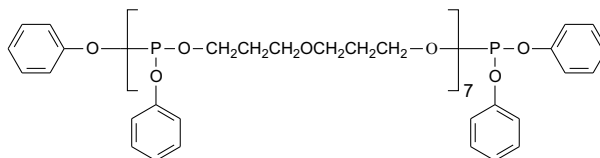
### Introduction

Poly (dipropylene glycol) phenyl phosphite

$C_{102}H_{134}O_{31}P_8$

Molecular Weight: 2100

CAS No.:80584-86-7



### Physical

Appearance	Clear liquid
Color (APHA)	≤50
Acid Value (mgKOH/g)	≤0.1
Refractive Index (25 °C)	1.5200–1.5400
Specific Gravity (25 °C)	1.130–1.1250

#### TGA (°C, % mass loss)

Weight loss, %	5	10	50
Temperature, °C	198	218	316

### Applications

YIPHOS<sup>®</sup> 2103 is a secondary antioxidant for organic polymers. It is an effective liquid polymeric phosphite for many types of diverse polymer applications including PVC, ABS, Polyurethanes, Polycarbonates and coatings to provide improved color and heat stability during processing and in the end application. It can be used in rigid and flexible PVC applications as a secondary stabilizer and chelating agent to give brighter, more consistent colors and improve the heat stability of PVC. It can be also used in polymers where regulatory approval for food contact is not required. Typical use levels range from 0.2 – 1.0% for most applications.