

PRODUCT INFORMATION

WESTON® DPDP Phosphite Revised: 08-01-2003

Product Description

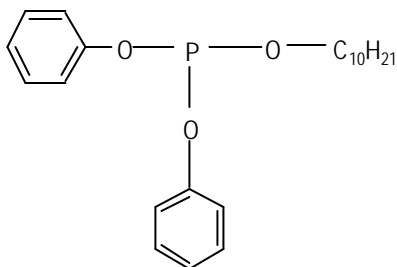
Diphenyl Isodecyl Phosphite

Formula: $C_{22}H_{31}O_3P$

Formula Weight: 374

Chemical Abstract No.: 26544-23-0

Structural Representation



Applications

WESTON DPDP phosphite is an alkyl-aryl phosphite which is used as a color and processing stabilizer in polycarbonate, polyurethanes, ABS polymers, and coatings where regulatory approval for food contact is not required. It is also used as a secondary stabilizer in polyvinyl chloride.

Specifications

Appearance	Clear Liquid
Color (Pt -Co)	50 max.
Acid No. (mg KOH/g)	0.05 max.
Refractive Index @ 77°F (25°C)	1.5160-1.5190
Specific Gravity @ 25°C/15.5°C	1.022-1.032

Typical Properties

Viscosity [cps @ 100°F (38°C)]	10.3
[cps @ 210°F (99°C)]	5.3
Phosphorus Content (%)	8.3
Vapor Pressure @ 5 mm Hg	338°F (170°C)
Density (lb./gal. @ 25°C)	8.6
(g/ml @ 25°C)	1.03
Flash Point (Pensky-Martens Closed Cup)	310°F (154°C)
Solubility	Soluble in most common aprotic organic solvents; insoluble in water.