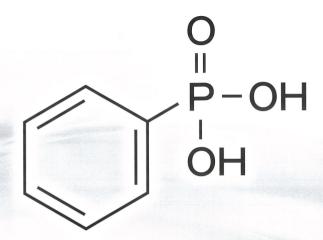
Surface treatment agent · Resin modifier

PPA (Phenylphosphonic acid)

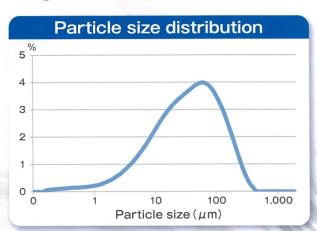
Organic phosphorous compound containing two characteristic functional groups.

PPA was designed by our predominant organic synthesis technology, which has a phenyl-phosphorous direct bond. It shows excellent thermal stability. And two characteristic functional groups works as a good surface modifier.



Applications:

Surface modifier for inorganic materials Plastic resin modifier Flame retardant for plastic fibers and resins Dispersant Catalyst etc



Surface modifier Small Particle [PPA] (Hydrophobic surface Hydrophilic surface

Properties

Registration

Appearance	white crystalline powder
Melting point	159−164℃
P content	20%
pH	1-3
Bulk density	0.5g/ml
Particle size D50	40 μ m
	pka1=2.2
pka	pka2=7.2
pka1:Benzoic acid < PPA < Benzenesulfonic acid	

Decomposition temperature	Start 176℃
	5% weight loss 276℃
CAS No.	1571-33-1
TSCA	Listed on
EINECS	216-338-1
ENCS (JAPAN MITI)	3-2524
KE No	KF-28414

Solubility

H ₂ O	47g/100g
Methanol	>100g/100g
Ethanol	>100g/100g
DMF	>100g/100g
Acetone	56g/100g
ODB	<10g/100g
MIBK	2g/100g
Toluene	0g/100g
Hexane	0g/100g
CHCl ₃	0g/100g



The above values are typical properties and are not intended to indicate specification values Customers are required to investigate potential infringement of relevant patents.