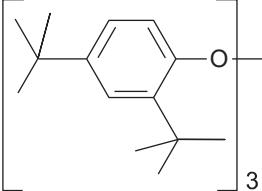




Product Data Sheet

Tris(2,4-di-tertbutylphenyl) phosphite

Hydrolytically stable phosphite processing stabilizer

Product Characteristic	Tris(2,4-di-tertbutylphenyl) phosphite is a hydrolytically stable phosphite processing stabilizer. Tris(2,4-di-tertbutylphenyl) phosphite reacts during processing with hydroperoxides formed by autoxidation of polymers preventing process induced degradation and extending the performance of primary antioxidants.										
Chemical name	Tris(2,4-di-tertbutylphenyl) phosphite										
CAS Number	31570-04-4										
Chemical formula											
Molecular weight	646.9 g/mol										
Physical Properties	<table><tr><td>Appearance</td><td>White, free flowing powder</td></tr><tr><td>Melting range</td><td>183 – 186°C</td></tr><tr><td>Density(20°C)</td><td>1.03 g/ml</td></tr><tr><td>Bulk density</td><td>480 – 570 g/l</td></tr></table>	Appearance	White, free flowing powder	Melting range	183 – 186°C	Density(20°C)	1.03 g/ml	Bulk density	480 – 570 g/l		
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Solubility@ 20°C	<table><tr><td>Solvent</td><td>g/100 g solution Chloroform 36</td></tr><tr><td>Cyclohexane</td><td>16</td></tr><tr><td>Dichloromethane</td><td>36</td></tr><tr><td>Toluene</td><td>30</td></tr><tr><td>Chloroform</td><td>36</td></tr></table>	Solvent	g/100 g solution Chloroform 36	Cyclohexane	16	Dichloromethane	36	Toluene	30	Chloroform	36
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Features/benefits	Tris(2,4-di-tertbutylphenyl) phosphite is an Organo phosphite Antioxidant of low volatility and is particularly resistant to hydrolysis. It protects polymers which are prone to oxidation during the processing (compounding/palletizing, fabrication and recycling) from molecular weight change (by Chain scission or crosslinking) and prevents discoloration. Tris(2,4-di-tertbutylphenyl) phosphite performs best when combined with Tris(2,4-di-tertbutylphenyl) phosphite and gives storage stability and long term heat stability against thermal and oxidative degradation.										
Applications	Tris(2,4-di-tertbutylphenyl) phosphite is used in polyolefins and olefin copolymers such polyethylene (eg.HDPE, LLDPE), polypropylene, polybutene and ethylene vinyl acetate copolymers as well as polycarbonates and polyamides.										