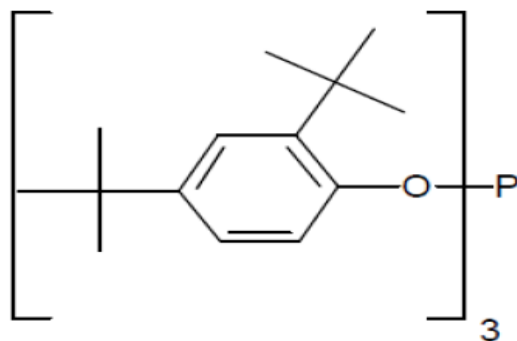


TECHNICAL DATA SHEET Omnistab AN 168

| | |
|-------------------|--|
| CAS No | 31570-04-4 |
| Chemical name | Tris(2,4-ditert-butylphenyl) phosphite |
| Molecular formula | C ₄₂ H ₆₃ O ₃ P |
| Molecular Weight | 646.93 g/mol |

Molecular structure



Application:

Omnistab AN 168 is mainly used in Polyolefin and Olefin Co-Polymers, such as Polyethylene, Polypropylene, Polybutene Copolymers. The blends can be used in other Polymers such as: Engineering Plastics, Styrene Homo and Copolymers, Elastomers, Adhesives, and Others.

Features:

Omnistab AN 168 is an organophosphite of low volatility and is particularly resistant to Hydrolysis. It protects Polymers which are prone to Oxidation and improvement of long-Term Thermal Stability, it can be combined with Other Anti-oxidants Series.

Physical Properties

| | |
|---------------------|--------------|
| Appearance | White Powder |
| Clarity of solution | CLEAR |
| Assay | 99% Min |
| Volatiles (%) | 0.3max |
| Melting range | 183.0-187.0 |

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TECHNICAL DATA SHEET
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| | | |
|------------------------|---------|------------------------|
| Acid Value (Mg Koh/g) | | 0.5 % Max |
| Hydrolysis Resistance | | 20 Hour min |
| Transmittance | 425 nm | 97.0 Min |
| | 500 nm | 98.0 Max |
| | Powder | 1.03 g/cm ³ |
| Bulk Density | FF (C) | 480-570 g/l |
| | DD (C) | 480-550 g/l |
| Solubility (20 C) | | %w/w |
| Acetone | | 1 |
| Chloroform | | 36 |
| cyclohexane | | 16 |
| Ethanol | | 0.1 |
| Ethyl acetate | | 4 |
| N-Hexane | | 11 |
| Methanol | | <0.01 |
| Methylene Chloride | | 36 |
| Toluene | | 30 |
| Water | | <0.01 |

Guidelines For Use:

Used for the processing stabilization of polymer combining with other additive such as Omnistab AN 1010 or Omnistab AN 1076 in appropriate level. Reference dosage is 0.05-0.20%.

Shelf Life:

1 Year Minimum

Handling and Safety:

In accordance with good industrial Practice, Handle with care and prevent Contamination of the Environment .Avoid dust formation and Ignition Sources.