

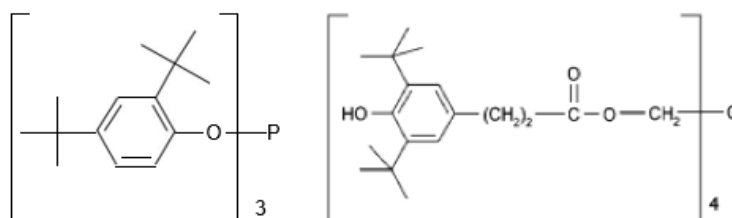
# PUREstab B215

## Synergistic Processing and Long-Term Thermal Stabilizer System

**Description** **PUREstab B215** - a processing and long-term thermal stabilizer system - is a synergistic blend of PUREfos 168, an organo-phosphite of low volatility and particularly resistant to hydrolysis which protects during the polymer processing and PUREstab 1010 a hindered phenolic antioxidant that contributes synergistically to the processing stabilization and provides long-term thermal stability during service life.

**Chemical name** PUREfos 168 [2 part] + PUREstab 1010 [1 part]

### Chemical Structure



**Molecular weight** 646.9 g/mol 1178 g/mol

**CAS number:** PUREfos 168 [31570-04-4] PUREstab 1010 [6683-19-8]

**Features & benefits:** **PUREstab B215** is a convenient blend addressing a range of stabilization needs. This synergistic blend addresses a broad range of stabilization needs. The relatively high phosphite content of the blend makes it ideal for use as a melt processing stabilizer in polyolefins such as polypropylene, polyethylene, polyolefin copolymers and blends. It provides significant advantages, such as the maintenance of original melt flow, low colour formation and improvement of long-term thermal stability.

**Application:** **PUREstab B215** is used in polyolefins and olefin-copolymers such as polyethylene, polypropylene, polybutene and ethylene-vinylacetate copolymers. The blend can also be used in engineering plastics, styrene homo- and copolymers, polyurethanes, elastomers, adhesives, and other organic substrates.

In Polyolefins the concentration levels of **PUREstab B215** range typically between 0.1% and 0.25 %, depending on substrate and processing conditions. Typical recommended concentrations ranges between 0.05% and 0.5%. **PUREstab B215** is also suitable for use in combination with hindered amine light stabilizers (HALS) and UV absorbers. The exact formulation to be used is dependent on the substrate, performance requirements, and other factors, and should be determined by the user based on testing to simulate actual conditions of use.

**Handling & Safety** In accordance with good industrial practice, handle with care and avoid unnecessary

## TECHNICAL DATA SHEET

Polygel Product Management  
Email: [info@polygelbrunei.com](mailto:info@polygelbrunei.com)



personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.

### Storage

This product may be stored in a sealed container. Containers should be kept tightly closed when not in use and stored in a cool, dry place.

### Physical Properties:

Product form	White free flowing powder
Bulk density	Powder: 530 - 630 g/l Free Flowing: 480 – 570 g/l

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November, 2019