



Ciba[®] IRGANOX[®] B 215

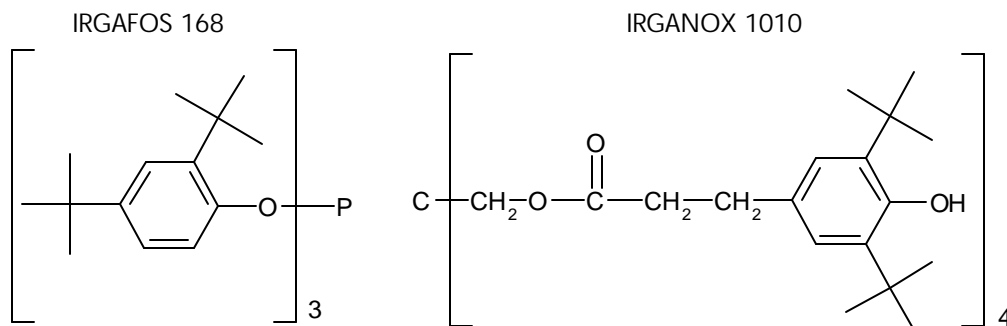
Synergistic Processing and Long-Term Thermal Stabilizer System

Characterization IRGANOX B 215 - a processing and long-term thermal stabilizer system - is a synergistic blend of IRGAFOS 168 and IRGANOX 1010.

Chemical Name 67 % IRGAFOS 168 ; 33 % IRGANOX 1010

CAS Number Preparation

Structure



Molecular weight 646.9

1178

Applications IRGANOX B 215 is used in polyolefins and olefin-copolymers such as polyethylene, polypropylene, polybutene and ethylene-vinylacetate copolymers. The blend can also be used in other polymers such as engineering plastics, styrene homo- and copolymers, polyurethanes, elastomers, adhesives, and other organic substrates. IRGANOX B 215 can be used in combination with light stabilizers of the TINUVIN and CHIMASSORB range.

Features/Benefits IRGANOX B 215 is a convenient blend addressing a range of stabilization needs. In the recommended applications IRGANOX B 215 provides significant advantages, such as

- Maintenance of original melt flow
- Low color formation
- Improvement of long-term thermal stability

IRGAFOS 168 - an organophosphite of low volatility and particularly resistant to hydrolysis - protects during processing organic polymers which are prone to oxidation. IRGANOX 1010 - a hindered phenolic antioxidant - contributes synergistically to the polymer's stabilization during processing and provides long-term thermal stability by preventing thermo-oxidative degradation during service life.

Additional performance improvements can be achieved in synergistic combinations with other Ciba additives (e.g. thioethers). Blends of IRGANOX 1010 and IRGAFOS 168 with HP-136 (IRGANOX HP products) are particularly effective.

Product Forms	Code:	Appearance:
Powder :	powder	white, free-flowing powder
	FF:	white, free-flowing granules

Guidelines for Use In polyolefins, the concentration levels for IRGANOX B 215 range typically between 0.1% and 0.25%, depending on substrate and processing conditions. The optimum level is application specific. Extensive performance data of IRGANOX B 215 in various organic polymers and applications are available upon request.

Physical Properties	Bulk Density	powder	530 - 630 g/l
		FF	480 - 570 g/l

Handling & Safety IRGANOX B 215 requires no special safety measures provided the usual precautions for handling chemicals are observed. Avoid dust formation and ignition sources.
For more detailed information please refer to the material safety data sheet

Registration The registration status for IRGANOX B 215 is derived from the single components.
The components are registered in: Australia, Canada, China, EU, Japan, Korea, Philippines, USA
They are approved in many countries for use in food contact applications. For detailed information refer to our Positive List or contact your local sales office.

IMPORTANT: The following supercedes Buyer's documents. **SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.
