

## ANOX<sup>®</sup> 29 powder

### Phenolic Antioxidant

#### Description

ANOX<sup>®</sup> 29 powder is a highly effective, sterically hindered bisphenol antioxidant useful for a number of organic substrates.

#### Chemical Structure

2,2'-Ethylenebis(4,6-di-t-butylphenol)

#### CAS-Number

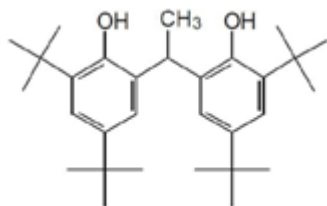
35958-30-6

#### EINECS-Number

252-816-3

#### Formula

ANOX<sup>®</sup> 29 stabilizer



#### Typical physical properties of ANOX<sup>®</sup> 29 powder

Appearance	White to off-white free flowing crystalline powder
Softening Range, Tg, °C	161 - 164
Flash Point, °C	>193
Molecular weight [g/mol]	438.7
Bulk density [g/cm <sup>3</sup> ]	0.56

The information contained herein relates to a specific Addivant<sup>TM</sup> product and its use, and is based on information available as of the date hereof. Additional information relating to the product can be obtained from the pertinent Material Safety Data Sheets. Nothing in this Technical Data Sheet shall be construed to modify any of Addivant<sup>TM</sup> standard terms and conditions of sale under which the product is sold by Addivant<sup>TM</sup>. NOTHING IN THIS TECHNICAL DATA SHEET SHALL BE CONSTRUED TO CONSTITUTE A REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, REGARDING THE PRODUCT'S CHARACTERISTICS, USE, QUALITY, SAFETY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY AND ALL SUCH REPRESENTATIONS AND WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED. Nothing contained herein shall constitute permission or recommendation to practice any intellectual property without the permission of the owner.

Addivant<sup>TM</sup> is a trademark of Addivant USA, LLC or one of its affiliates.

Copyright © 2013 Addivant USA, LLC. All rights reserved.

### Solubility @ 20°C (Weight %)

Acetone	>100	Heptane	18
Cyclohexane	27	Toluene	44
Ethanol	6	Water	>0.03

### Thermogravimetric analysis (10°C/minute under N<sub>2</sub>)

Weight Loss [%]	5	10	25
Temperature [°C]	220	233	253

### Application

**ANOX<sup>®</sup> 29 powder** is useful in many materials such as plastics, elastomers, adhesives, waxes and oils. **ANOX<sup>®</sup> 29 powder** protects these and other materials against thermo-oxidative degradation during processing, storage and end-use. **ANOX<sup>®</sup> 29 powder** reacts synergistically with thiosynergists to enhance the thermal aging properties of polypropylene. **ANOX<sup>®</sup> 29 powder** is tremendously effective in a number of other plastics including crystal and high impact polystyrene, ABS terpolymer, PVC, polyamides, polyurethanes, elastomers, adhesives, rubbers such as EPDM, SBS and rubber blends with polyolefins and natural and synthetic tackifier resins.

### Food Contact

For details please contact Addivant<sup>™</sup> Regulatory Affairs

### Storage and Handling Precautions

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 2 years from the date of receipt.

**For additional handling and toxicological information, consult the Addivant<sup>™</sup> Material Safety Data Sheet.**