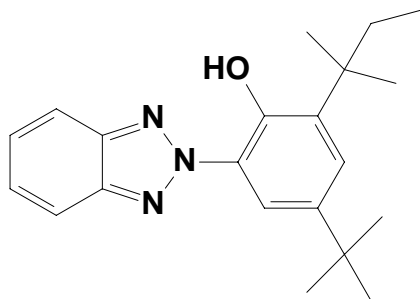


## ADA1160—UV-Absorber

### Description

ADA1160 is a UV absorber of the hydroxyphenylbenzotriazole class designed for coatings. Because of its extended UV absorption, ADA1160 provides efficient protection to coatings and light sensitive substrates.

### Chemical Structure



### Product Properties

Chemical Name:	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol
Molecular weight:	351.5g/mol
Appearance:	Slight Yellow Powder
Melting range:	80-88 °C

### Solubility @ 20 oC

Solvent	Ratio (g/100g solution)
Butylcarbitol	3.5
Butanol	2.5
Butylacetate	15.0
Ethylglycol	4.0
1-methoxypropylacetate-2	10.0
Methylethylketone	14.0
Xylene	34.0
Water	< 0.01

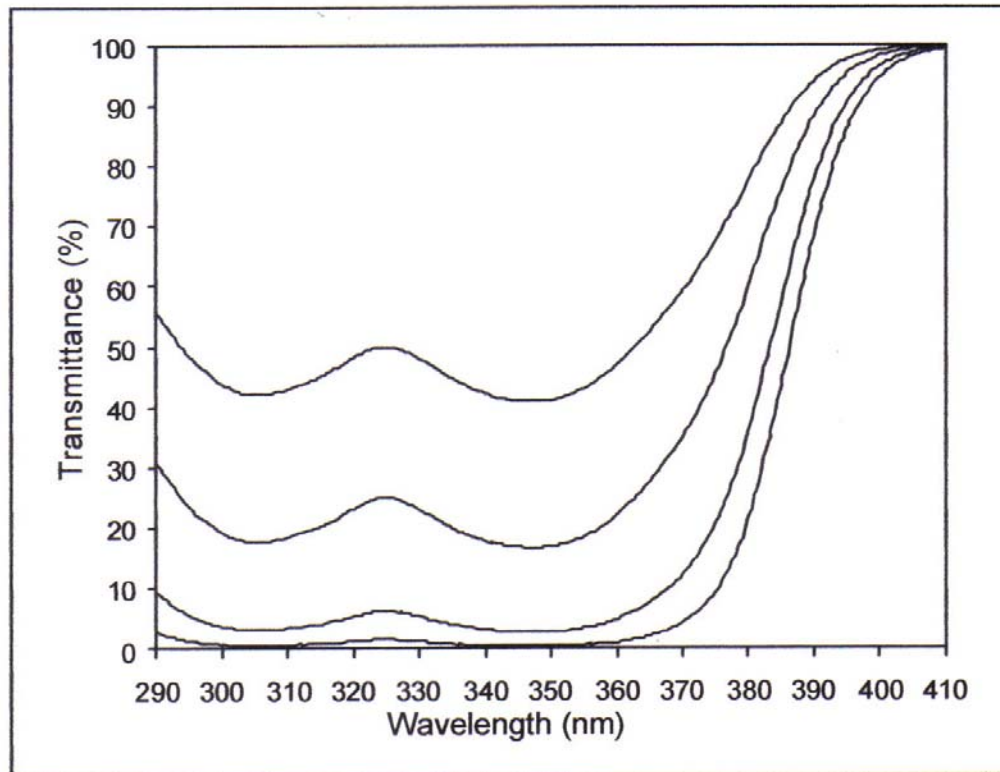
### Application Suggestions

ADA1160 is recommended for coating applications. This product may be used in combination with a light stabilizer of the sterically hindered amine or aminoether class (HALS) such as recommended below. These combinations give coatings superior protection against glass reduction, cracking, blistering, delamination and color change. ADA1160 is only recommended for ambient and low temperature cured systems, i.e. air drying alkyd based systems.

### Recommended concentrations

1-3 %	ADA1160
+ 0.5-25	If using with other with other light stabilizers.

**\*\*Amount required for optimum performance should be determined in trials covering a concentration range.\*\***

**Spectrum**

**Top line:** 0.001% ADA1160, corresponds to 0.25% in a 40  $\mu\text{m}$  film.  
**Second line:** 0.002% ADA1160, corresponds to 0.50% in a 40  $\mu\text{m}$  film.  
**Third line:** 0.004% ADA1160, corresponds to 1.0% in a 40  $\mu\text{m}$  film.  
**Bottom line:** 0.006% ADA1160, corresponds to 1.5% in a 40  $\mu\text{m}$  film.

**All applications using this product should be thoroughly tested prior to approval for production.**

*The information herein is believed to be reliable and is to assist customers in determining whether our products are suitable for their applications. However, no warranty, express or implied, is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute any other warranty, express or implied, including any warranty of merchantability or fitness, nor of protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages. We shall not be liable for damages to person or property resulting from its use. Consult the Material Safety Data Sheet for additional information.*