

NAUGARD[®] 445 stabilizer

Solid Aromatic Amine Antioxidant

Description

NAUGARD[®] 445 stabilizer is a highly effective non-discoloring aromatic amine type antioxidant finding utility as a thermal stabilizer in a wide variety of applications, including polyolefins, styrenics, polyols, hot melt adhesives, lubricants and polyamides. Excellent performance at processing temperatures, and strong synergy with other types of antioxidants such as phenolics and phosphites, makes NAUGARD[®] 445 stabilizer an excellent choice as a stabilizer package component.

Chemical Name

4,4'-Bis(α , α -dimethylbenzyl) diphenylamine

CAS-Number:

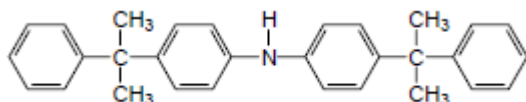
10081-67-1

EINECS-Number:

233-215-5

Formula

NAUGARD[®] 445 stabilizer



Typical physical properties of NAUGARD[®] 445 stabilizer

Appearance	White powder or granules
Molecular weight [g/mol]	406
Melting Point [°C]	98-100
Colour – APHA	20
Specific Gravity at 55 °C	1.14
Flash Point [TCC/°C]	277

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Solubility (g/100ml solvent)

Acetone	40.8	Cyclohexane	3.5
Heptane	0.7	Hexane	0.7
MEK	41.2	Methanol	0.7
Toluene	32.8	Water	Insoluble

Thermogravimetric Analyses (10 mg @ 10°C/minutes under N₂)

TGA 5%	TGA 10%	TGA 50%
	305	346

Product Features

- Synergistic
- High melting

Storage and Handling

This product may be stored for at least three (3) years in sealed containers. Containers should be stored in cool, dry area. Extended storage at elevated temperatures or exposure to direct heat could decrease product shelf life. Containers should be kept sealed when not in use. After a one (1) year period an AddivantTM representative should be contacted before using the remaining material

For additional handling and toxicological information consult the AddivantTM Material Safety Data Sheet.

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