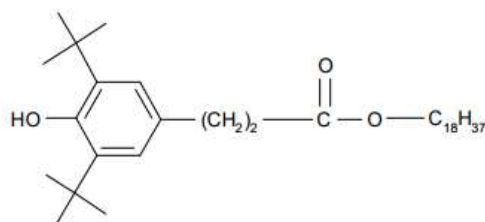


PUREstab 1076

Phenolic Primary Antioxidant for Processing and Long-Term Thermal Stabilization

Description: PUREstab 1076 is a sterically hindered phenolic antioxidant. It is a highly efficient and non-discolouring stabilizer for organic substrates such as plastics, synthetic fibres, elastomers, adhesives, waxes, oils and fats. It protects these substrates against thermo-oxidative degradation

Formula



Chemical name: Octadecyl-3-(3,5-di-tert.butyl-4-hydroxyphenyl)-propionate

CAS number: 2082-79-3 **Molecular weight:** 531 g/mol

Features & benefits: PUREstab 1076 can be used in combination with other additives such as co-stabilizers, e.g. thioethers (LTHS), secondary antioxidant, light stabilizers and other functional stabilizers, e.g. PUREstab 1076 with PUREfos 168

Application: At concentrations of 0.05% - 0.2%, PUREstab 1076 is providing long-term thermal stability to the polymer. In polyolefins the recommended concentration levels range between 0.1% and 0.4% depending on the matrix, processing conditions and long-term thermal stability requirements. For styrene homo- and copolymers it is ranging from 0.1 to 0.3%, in hot melt adhesives, from 0.2% to 1.0%, in synthetic tackifier resins, from 0.1% and 0.5%.

Health & Safety: PUREstab 1076 is approved in many countries for use in food contact applications. For detailed information please contact our local sales offices.

Physical Properties:

Melting range	50-55°C		
Flashpoint	>180°C		
Vapor pressure	1 E-11 Pa		
Density (20°C)	1.11 g/ml		
Bulk density	Powder 550 - 700 g/l		
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution		
- Acetone	19.0	- Benzene	57.0
- Chloroform	57.0	- Ethanol	1.5
- Ethyl-acetate	38.0	- N-hexane	32.0
- Methanol	0.6	- toluene	50.0
- Cyclohexane	49.0	- Water	<0.01