巴斯夫抗氧剂1010

产品名称	巴斯夫抗氧剂1010
公司名称	广州昊毅化工科技华南有限公司
价格	45.00/Kg
规格参数	品牌:巴斯夫 型号:1010 用途:抗氧剂
公司地址	广州市高新技术产业开发区科丰路31号华南新材料创新园G1栋812号
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产品详情

巴斯夫 Irganox 1010 塑料添加剂

Irganox 1010

Phenolic primary antioxidant for processing and long-term thermal stabilization

Characterization
Irganox 1010 – a sterically hindered phenolic antioxidant – is a highly effec-

tive, non discoloring stabilizer for organic substrates such as plastics, syn- thetic fibers, elastomers, adhesives, waxes, oils and fats. It protects these substrates against thermo-oxidative degradation.

Chemical name Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)

CAS number 6683-19-8

Chemical formula

Molecular weight 1178 g/mol

Applications Irganox 1010 can be applied in polyolefins, such as polyethylene, polypro-pylene, polybutene and olefin copolymers such as ethylene-vinylacetate copolymers. Also, its use is recommended for the processing of polymers such as polyacetals, polyamides and polyurethanes,polyesters,

PVC, sty- rene homo- and copolymers, ABS,elastomers such as butyl rubber (IIR), SBS, SEBS, EPM and EPDM as well as other synthetic rubbers, adhesives, natural and synthetic tackifier resins, and other organic substrates.

Features/benefits Irganox 1010 has good compatibility, high resistance to extraction and low

volatility. It is odorless and tasteless. The product can be used in combina- tion with other additives such as costabilizers (e. g. thioethers, phosphites, phosphonites), light stabilizers and other functional stabilizers. The effective- ness of the blends of Irganox 1010 with Irgafos 168 (Irganox B-blends) or with Irgafos 168 and Irgafos FS042 is particularly noteworthy.

Product forms Irganox 1010 white, free-flowing powder

Irganox 1010 FF white, free-flowing granules

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Irganox 1010 ED white to slightly yellowish pellets

Guidelines for use
Already 0.05 % – 0.1 % ppm of Irganox 1010 provide long-term thermal sta-bility to the polymer. Concentrations up to several percent may be used depending on the substrate and the requirements of the end application. In polyolefins the concentration levels for Irganox 1010 range between 0.05 % and 0.4 % depending on substrate, processing conditions and long-term thermal stability requirements. The optimum level has to be determined application specific. Concentration levels of Irganox 1010 in hot melt adhe- sives range from 0.2 % to 1 %, in synthetic tackifier resins, Irganox 1010 concentration ranges between 0.1 % and 0.5 %. Extensive performance data of Irganox 1010 in various organic polymers and applications are available upon request.

Physical Properties Melting range: 110 – 125 ° C Flashpoint: 297 ° C

Density (20 ° C): 1.116 g/ml

Vapor pressure (20 ° C): 7 E-10 Pa (extrapolated)

Bulk density:

Powder: 530 – 630 g/l

FF: 480 – 570 g/l

ED: 500 – 600 g/l

Solubility (20 ° C) g/100 g solution

Acetone 47

Chloroform	71
Ethanol	1.5
Ethylacetate	47
n-Hexane	0.3
Methanol	0.9
Methylene chloride	63

Health & Safety Irganox 1010 exhibits a very low order of oral toxicity and does not present any abnormal problems in its handling or general use. Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant health and safety information sheet.