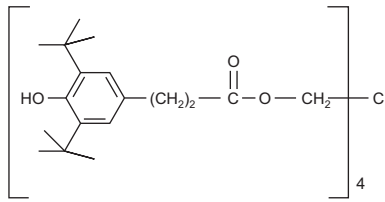


VEENOX 1010 PW

Phenolic primary antioxidant for processing and long term thermal stabilization

Product Characteristic	Veenox 1010 PW is a sterically hindered phenolic antioxidant. It is a highly effective, non-discolouring stabilizer for organic substrates such as plastics, synthetic fibers, elastomers and adhesives. It protects these substrates against thermal and 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	
Physical Properties	Appearance	White, free flowing powder
	Melting range	110 – 125°C
	Flashpoint	297 °C
	Density (20 °C)	1.15 g/ml
	Bulk density	530 – 630 g/l
Solubility @ 20°C	Solvent	g/100 g solution
	Acetone	47
	Chloroform	71
	Ethyl acetate	47
	Methylene chloride	63
Features/benefits	Veenox 1010 PW has good compatibility, high resistance to extraction and low volatility. It is odourless and tasteless. The product can be used in combination with thioethers, phosphites, phosphonites and light stabilizers. Veenox 1010 PW exhibits a synergistic effect in combination with Veenox 168 PW.	
Guidelines for use	Dosages ranging from 500 ppm to 1000 ppm of Veenox 1010 PW provide long-term thermal stability to the polymer. Higher dosages may be used depending on the substrate and the requirements of long term thermal stability of the end application.	
Applications	Veenox 1010 PW can be applied in polyolefins, such as polyethylene, polypropylene, polybutene and olefin copolymers such as ethylene vinyl acetate copolymers. Also, its use is recommended for the processing of polymers such as polyacetals, polyamides and polyurethanes, polyesters, PVC, styrene 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.	