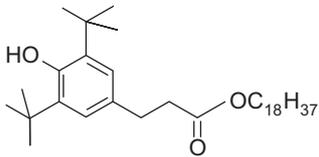


# VEENOX 1076 PW

## Phenolic primary antioxidant for processing and long term thermal stabilization

Product Characteristic	Veenox 1076 PW, a sterically hindered phenolic antioxidant, is a highly efficient, non-discolouring stabilizer for organic substrates such as plastics, synthetic fibers, elastomers and adhesives. It protects these substrates against thermal and oxidative degradation. Veenox 1076 PW is odorless, stable to light and has excellent colour retention. It has good compatibility with most substrates, low volatility and high resistance to extraction.	
Chemical name	Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate	
CAS number	2082-79-3	
Chemical formula		
Molecular weight	531 g/mol	
Physical Properties	Appearance	White, free flowing powder
	Melting range	50 – 55 °C
	Flashpoint	273 °C
	Density (20 °C)	1.02 g/ml
	Bulk density	360 – 400 g/l
Solubility @ 20°C	Solvent	g/100 g solution
	Chloroform	57
	Benzene	57
	Cyclohexane	40
	Toluene	50
	n-Hexane	32
Features/benefits	Veenox 1076 PW can be used in combination with other additives such as thioethers, phosphites, phosphonites, light stabilizers and other functional stabilizers. Veenox 1076 PW exhibits synergistic effect in combination with Veenox 168 PW.	
Guidelines for use	Dosages ranging from 500 ppm to 2000 ppm Veenox 1076 PW provide long term thermal stability to the polymer. Higher dosages upto 4000 ppm may be used depending on the substrate and requirements of long term thermal stability.	
Applications	Veenox 1076 PW can be applied in polyolefins, such as polyethylene, polypropylene, polybutene-1 as well as in other polymers, such as engineering plastics, styrene homo and copolymers, polyurethanes, elastomers and adhesives.	