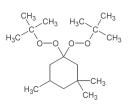


## **PEROXAN PK295 P Peroxyketale / Curing**

Description

1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane 40%, Powder with chalk PEROXAN PK295 P is used for the curing of unsaturated polyester resins.



	Molecular weight: CAS No.:		302.5 6731-36-8	
Technical data	Appearance: Peroxide assay: Active oxygen assay: Bulk density at 20°C:		white powder appx. 40% appx. 4.23% 390 kg/m <sup>3</sup>	
Solubility	Insoluble in water, soluble in aliphatics			
Storage	Maximum storage temperature (Ts n Storage stability as from date of deliv	,	30°C 6 months	
Hazardous reactions	Keep packaging tightly closed in a well ventilated place at indicated storage temperature. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Never weigh out in storage room.			
	Oxidizing agent. Decomposes violently under the influence of heat or by contact with reducing agent. Never mix with accelerators.			
	Organic Peroxides are more or less stable products but will decompose under the influence of heat. To minimize a loss of quality during storage, it is important that the recommended maximum storage temperature is not exceeded. If a minimum storage temperature is given, an undesirable process such as a solidification or phase separation, is known to occur below this temperature.			
Safety characteristics	Flash point: SADT:	>SADT°C 70°C		
	The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self			

The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.





## PEROXAN PK295 P Peroxyketale / Curing

Application	PEROXAN PK295 P is used for the curing of unsaturated polyester resins at elevated temperatures.
	PEROXAN PK295 P is preferred for the curing of UP resin based hot press moulding formulations in the temperature range from 120° to 170°C.
	The stability of this peroxyketal in an UP resin is hardly influenced by the presence of metal accelerators, pigments or fillers. PEROXAN PK295 P is therefore very suitable for pigmented and non-pigmented hot press moulding formulations where a long shelf life of the compound is required.
	Depending on working conditions, the following peroxide dosage level is recommended:
	PEROXAN PK295 P: 2,0 to 3,0 phr
Packaging	25kg cardboard box
Major decomposition products	3,3,5-Trimethylcyclohexanone, Acetone, Methane, tert-Butanol
Safety and handling	Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN PK295 P. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at <b>www.pergan.com</b> or through contacting Pergan directly.

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