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ORGANIC PEROXIDES

For Curing Unsaturated Polyester Resins

CURING AGENTS FOR THERMOSET RESINS



CHEMICAL DESCRIPTION	TRADE NAME	AO %	DESCRIPTION	POLYESTER RESINS	VINYLESTER RESINS	GEL- AND TOPCOATS	BONDING PASTES	HAND LAY-UP & SPRAY-UP	RTM	COLD PRESS MOULDING	BUTTONS	VACUUM BAG/ INFUSION	POLYESTER CONCRETE & MARBLE	CONTINUOUS LAMINATION	FILAMENT WINDING	CENTRIFUGAL CASTING	PULTRUSION	SMC	BMC	
				Type of Resin			Ambient Temperature						Elevated Temperature			High Temperature				
Methyl Ethyl Ketone Peroxide																				
Liquid in plasticizer, phtalate free	Promox P200 TX	9,1	General purpose MEKP with medium reactivity	●		●	●	●	●	●	●	●	●	●	●	●				
Liquid in plasticizer, with DMP	Promox P200 F	9,1	General purpose MEKP with medium reactivity	●		●	●	●	●	●	●	●	●	●	●	●				
Liquid in plasticizer, phtalate free	Promox P211 TX	9,8	General purpose MEKP with higher reactivity	●				●	●	●	●		●	●	●	●				
Liquid in plasticizer, with DMP	Promox P211 F	9,8	General purpose MEKP with higher reactivity	●				●	●	●	●		●	●	●	●				
Liquid in plasticizer, phtalate free	Promox P250 TX	8,2	MEKP designed for VE resins and gelcoats	●	●	●	●	●				●	●		●					
Liquid in plasticizer, phtalate free	Promox P200 TX D	4,5	Diluted MEKP	●		●		●	●	●			●	●	●	●				
Acetylacetone Peroxide																				
Liquid in plasticizer	Promox P300	4,1	Fast curing	●				●	●	●		●	●	●	●	●				
Cyclohexanone Peroxide																				
Liquid in plasticizer	Promox P401	5,5	High reactivity	●				●			●									
Liquid in plasticizer	Promox P420	5,2	Standard medium reactivity	●			●	●			●		●							
Methyl Isobutyl Ketone Peroxide																				
Liquid in plasticizer	Promox P650 TX	8,9	Medium-high activity	●	●									●	●		●			
Peroxides Mixtures																				
MEKP-AAP, liquid in plastizer,phtalate free	Promox P201 TX	6,2	Mixture MEKP/AAP with faster cure than P202	●				●	●	●			●	●	●	●				
MEKP-AAP, liquid in plastizer,phtalate free	Promox P202 TX	7,5	Mixture MEKP/AAP with fast cure	●				●	●	●			●	●	●	●				
MEKP-AAP, liquid in plastizer,phtalate free	Promox P302 TX	5,6	Mixture MEKP/AAP with faster cure than P201	●				●	●	●			●	●	●	●				
AAP-TBPB, liquid in plasticizer	Promox P360	3,8	AAP with improved cure performances	●									●	●						
TBPB-AA, liquid in plasticizer	Promox P380	6,5	Higher temp. molding. Artificial marble and polymer concrete appl.	●									●	●			●			
MEKP-TBHP, liquid in plasticizer	Promox P215 TX	6	Lower exhoterm temperature. For thicker laminates	●				●				●	●		●					
Hydroperoxides																				
Cumene hydroperoxides, liquid in promoter	Promox P600	4,6	Promoted CHP for fast curing of some VE resins		●			●				●			●					
Cumene hydroperoxides, liquid in cumene	Promox P601	8,4	Low exhoterm temperature		●							●								
TBH70, liquid in water	Promox PTBH70	12,4	Used in comb. with ketone peroxides. Longer curing times and low exhot. Peak	●												●				
Diacyl peroxides																				
Dibenzoyl peroxide, 50% paste	Promox P700 PA	3,3	Higher temperature curing of UP resins	●			●			●			●							
Dibenzoyl peroxide, 50% powder	Promox P700 PW	3,3	Curing of UP resins higly charged	●						●			●							
Peresters																				
Tert-butyl peroxybenzoate	Promox PB	8,1	Pure TBPB	●									●				●	●	●	