

Organic Peroxide Curing Agents for Thermoset Resins

McEIT(Tianjin) Int'l Trade Co., Ltd. supplies a complete range of organic peroxides and accelerators for radical based curing systems for the thermoset/reinforced plastics market. We offer a wide range of curing agents for the processing of unsaturated polyester, vinyl ester and acrylate thermosetting resins. The right choice of cure system depends on the process, processing conditions, the application technique and the type of resin. Organic peroxides are the primary radical source for starting the polymerization process of these thermoset resins. Beside we have a whole range of auxiliary products to make the necessary adaptations to meet the requirements. Peroxide cured thermoset resins are widely used in building applications, automotive parts, industrial pipes and tanks, body fillers to repair cars, lacquers, road marking paints and even the buttons of your shirt.

Thermoset Curing Agents / BMC/SMC

Product Name	Chemical Description	Cas #	Max. Storage Temp. (°C)	Active Oxygen
TBEC	tert-Butylperoxy 2-ethylhexyl carbonate	34443-12-4	20	6.17
TBPEH	tert-Butyl peroxy-2-ethylhexanoate	3006-82-4	20	7.03
TBPEH	tert-Butyl peroxy-2-ethylhexanoate, 90% solution	3006-82-4	20	6.6
CH-B50	1,1-Di(tert-butylperoxy)cyclohexane, 50% solution in dibutyl phthalate	3006-86-8	25	6.14
CH-C50	1,1-Di(tert-butylperoxy)cyclohexane, 50% solution in odorless mineral spirits	3006-86-8	25	6.14
CH335-B50	1,1-Di(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 50% solution in dibutyl phthalate	6731-36-8	25	5.29
CH335-B75	1,1-Di(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 75% solution in dibutyl phthalate	6731-36-8	25	7.93
CH335-C50	1,1-Di(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 50% solution in odorless mineral spirits	6731-36-8	25	5.29
TBPMH	tert-Butyl peroxy-3,5,5-trimethylhexanoate	13122-18-4	25	6.74
TBPI-C75	tert-Butylperoxy isopropyl carbonate, 75% solution in odorless mineral spirits	2372-21-6	25	6.81
TBPB	tert-Butyl peroxybenzoate	614-45-9	25	8.07
KSM	Mixture of tert-butyl peroxy-2-ethylhexanoate and 1,1-di (tert-butylperoxy)-3,3,5-trimethylcyclohexane, 75% solution in dibutyl phthalate	6731-36-8; 3006-82-4	20	6.1

Thermoset Curing Agents / Hot Press Molding

Product Name	Chemical Description	Cas #	Max. Storage Temp. (°C)	Active Oxygen
TBEC	tert-Butylperoxy 2-ethylhexyl carbonate	34443-12-4	20	6.17
TBPEH	tert-Butyl peroxy-2-ethylhexanoate	3006-82-4	20	7.03
TBPEH-90	tert-Butyl peroxy-2-ethylhexanoate, 90% solution	3006-82-4	20	6.6
CH-B50	1,1-Di(tert-butylperoxy)cyclohexane, 50% solution in dibutyl phthalate	3006-86-8	25	6.14
CH-C50	1,1-Di(tert-butylperoxy)cyclohexane, 50% solution in odorless mineral spirits	3006-86-8	25	6.14
CH335-B50	1,1-Di(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 50% solution in dibutyl phthalate	6731-36-8	25	5.29
CH335-B75	1,1-Di(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 75% solution in dibutyl phthalate	6731-36-8	25	7.93
CH335-C50	1,1-Di(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 50% solution in odorless mineral spirits	6731-36-8	25	5.29
TBPMHS	tert-Butyl peroxy-3,5,5-trimethylhexanoate	13122-18-4	25	6.74
TBPI-C75	tert-Butylperoxy isopropyl carbonate, 75% solution in odorless mineral spirits	2372-21-6	25	6.81
TBPB	tert-Butyl peroxybenzoate	614-45-9	25	8.07
KSM	Mixture of tert-butyl peroxy-2-ethylhexanoate and 1,1-di(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 75% solution in dibutyl phthalate	6731-36-8; 3006-82-4	20	6.1

★ Developing Product

Thermoset Curing Agents / Polymer Concrete/Marble

Product Name	Chemical Description	Cas #	Max. Storage Temp. (°C)	Active Oxygen
MEKP LA	Methyl ethyl ketone peroxide, solution in plasticizer mixtures	1338-23-4	25	8.7
MEKP M-30	Methyl ethyl ketone peroxide, solution in dimethyl phthalate	1338-23-4	25	5.4
MEKP M-50	Methyl ethyl ketone peroxide, solution in dimethyl phthalate	1338-23-4	25	8.9
MEKP M-60	Methyl ethyl ketone peroxide, solution in dimethyl phthalate	1338-23-4	25	9.9
BCHPC	Di(4-tert-butylcyclohexyl) peroxydicarbonate, powder	15520-11-3	20	3.83
BPO-20S	Dibenzoyl peroxide, 20% powder with inert filler	94-36-0	25	1.3
BPO-33	Dibenzoyl peroxide, paste, 33% powder with inert fillers	94-36-0	25	2.1
BPO- 40E	Dibenzoyl peroxide, 40% suspension in diisobutyl phthalate	94-36-0	25	2.64
BPOW-50	Dibenzoyl peroxide, 50% in isoalkyl benzoate plasticizer	94-36-0	25	3.27
BPO- CH-50	Dibenzoyl peroxide, powder, 50% in dicyclohexyl phthalate	94-36-0	25	3.3
BPO- CH-50X	Dibenzoyl peroxide, powder, 50% with dicyclohexyl phthalate	94-36-0	25	3.3
TBPM-MT40	tert-Butyl monoperoxymaleate, paste, 40% in dibutyl maleate	1931-62-0	25	3.4
CYP	Cyclohexanone peroxide, solution in dimethyl phthalate and diacetone alcohol	12262-58-7	25	7.4
TBPEH	tert-Butyl peroxy-2-ethylhexanoate	3006-82-4	20	7.03
CHP-45	Cumyl hydroperoxide, 45% solution in solvent mixture, with promoter	80-15-9	25	4.6
TBPMH-90	tert-Butyl peroxy-3,3,5-trimethylhexanoate, 90% solution with acetylacetone	13122-18-4	25	6
TBPMH	tert-Butyl peroxy-3,5,5-trimethylhexanoate	13122-18-4	25	6.74

★ Developing Product