

## ● List of Organic peroxides as Curing agent ●

Chemical Name Trade Name	Physical Form	Purity (%)	(Theoretical AOC) Act'O(%)	Package Volume of Content	Storage Temp. (°C)	UN Number	Cas No.	Half-life(°C)		
								1min	1Hr	10Hr
<b>Peroxyketals</b>										
2,2-Bis(t-butylperoxy)butane <b>Perhexa 22</b>	Liquid(Hydrocarbon solution)	50	(13.66) 6.83	16 kg (16×1)	Below 30	3103	2167-23-9	159.9	121.7	103.1
1,1-Bis(t-butylperoxy cyclohexane) <b>PERHEXA C(S)</b> <b>PERHEXA C(EB)</b>	Liquid(Hydrocarbon solution) Liquid(Aromatic hydrocarbon solution)	79 70	(12.29) 9.71 8.60	17 kg (17×1) 17 kg (17×1)	Below 30	3103	3006-86-8	153.8	111.1	90.7
n-Butyl 4,4-bis(t-butylperoxy) valerate <b>PERHEXA V</b> <b>PERHEXA V-40</b> <b>PERHEXA V-40MB</b>	Liquid(Technica pure) Powder(Inert solid solution) Pellet or sheet	90 40 40	(9.57) 8.61 3.83 3.83	16 kg (16×1) 40 kg (10×4) 40 kg (10×4)	Below 30	3103 3106 3106	995-33-5	172.5	126.5	104.5
2,2-Bis(4,4-Di-t-butylperoxy cyclohexyl) propane <b>PERTETRA A</b>	Liquid(Aromatic hydrocarbon solution)	20	(11.41) 2.28	16 kg (16×1)	Below 30	3107	1705-60-8	153.8	114.0	94.7
<b>Hydroperoxides</b>										
t-Butyl hydroperoxide <b>PERBUTYL H-69</b>	Liquid(Water solution)	69	(17.25) 12.25	190 kg (Drum)	Below 30	3109	75-91-2	260.7	196.3	166.5
Cumene hydroperoxide <b>PERCUMYL H-80</b>	Liquide(Aromatic solution)	80	(10.51) 8.41	200 kg (Drum)	Below 30	3109	80-15-9	254.0	188.2	157.9
Diisopropylbenzene hydroperoxide <b>PERCUMYL P</b>	Liquid(Aromatic hydrocarbon solution)	50	(8.24) 4.12	190 kg (Drum)	Below 30	3109	26762-93-6	232.5	172.8	145.1
p-Menthane hydroperoxide <b>PERMENTHA H</b>	Liquid(Hydrocarbon solution)	50	(9.29) 4.65	190 kg (Drum)	Below 30	3109	26762-92-5	199.5	151.1	128.0
1,1,3,3-Tetramethylbutyl hydroperoxide <b>PEROCTA H</b>	Liquid(Technical pure)	90	(10.94) 9.85	17 kg (17×1)	Below 10	3105	5809-08-5	246.6	182.4	152.9
<b>Dialkylperoxides</b>										
t-Butyl cumyl peroxide <b>PERBUTYL C</b>	Liquid(Technical pure)	90	(7.68) 6.91	16 kg(16×1)	Below 30	3105	30580-75-7	173.3	137.3	119.5
Di-t-Butyl peroxide <b>PERBUTYL D</b>	Liquid(Technical pure)	98	(10.94) 10.72	15 kg (15×1)	Below 30	3107	110-05-4	185.9	144.1	123.7
α,α'-Bis(t-butylperoxy) diisopropyl benzene <b>PERBUTYL P</b> <b>PEROXYMON F-40</b> <b>PERBUTYL P-40MB</b>	Powder(Technical pure) Pellet(Inert solid dilution) Pellet or sheet(EPT dilution)	95 40 40	(9.45) 8.98 3.78 3.78	40 kg (10×4) 50 kg(10×5) 40 kg (10×4)	Below 30	3106 Exmpt Exmpt	25155-25-3	175.4	137.7	119.2

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Dicumyl peroxide <b>PERCUMYL D</b> <b>PERCUMYL D-40</b> <b>PERCUMYL D-40MB</b>	Flake(Technical pure) Powder(Inert solid dilution) Pellet or sheet(EPT solution)	98 40 40	(5.92) 5.80 2.37 2.37	20 kg (5×4) 50 kg (10×5) 40 kg (10×4)	Below 30	3110 Exmpt Exmpt	80-43-3	175.2	135.7	116.4
2,5-Dimethyl-2,5-bis(t-butylperoxy) hexane <b>PERHEXA 25B</b> <b>PERHEXA 25B-40</b> <b>PERHEXA 25B-40MB</b>	Liquid(Technical pure) Powder(Inert solid dilution) Pellet or sheet(EPT solution)	90 40 40	(11.02) 9.92 4.41 4.41	16 kg (16×1) 40 kg (10×4) 40 kg (10×4)	Below 30	3105 3106 3106	78-63-7	178.9	138.1	117.9
2,5-Dimethyl-2,5-bis(t-butylperoxy) hexyne-3 <b>PERHEXYNE 25B</b> <b>PERHEXYNE 25B-40</b>	Liquid(Technical pure) Powder(Inert solid dilution)	90 40	(11.17) 10.05 4.47	16 kg (16×1) 40 kg (10×4)	Below 30	3103 3106	1068-27-5	194.3	149.9	128.4
<b>Diacylperoxides</b>										
Isobutyryl peroxide <b>PEROYL IB</b>	Liquid(Hydrocarbon solution)	25	(9.18) 2.30	16 kg(16×1)	Below -23	3115	3437-84-1	85.1	49.7	32.7
Lauroyl peroxide <b>PEROYL L</b> <b>PERPYL LO</b>	Flake(Technical pure) Paste(Plasticizer)	98 50	(4.01) 3.93 2.01	40 kg (5×8) 15 kg(15×1)	Below 30 Below 20	3106 3106	105-74-8 105-74-8	116.4	79.5	61.6
Succinic peroxide <b>PEROYL SA</b>	Powder(Water-damped)	80	(6.83) 5.46	-	Below -5	3102	123-23-9	131.8	87.0	65.9
3,5,5-Trimethylhexanoyl peroxide <b>CHEMEX TMH75(T)</b>	Liquid(Aromatic hydrocarbon solution)	75	(5.09) 3.82	10 kg (10×1)	Below -15	3115	3851-87-4	112.6	76.8	59.4
<b>Peroxydicarbonate</b>										
Diisopropyl peroxy dicarbonate <b>CHEMEX IPC27(CR)</b>	Liquid(Monomer solution)	27	(7.76) 2.10	10 kg (10×1)	Below -20	3115	105-64-6	88.3	56.2	40.5
Di-2-ethylhexyl peroxy dicarbonate <b>CHEMEX 2EHPC</b>	Liquid(Hydrocarbon solution)	70	(4.62) 3.23	10 kg (10×1)	Below -15	3115	16111-62-9	90.6	59.1	43.6
<b>Peroxyester</b>										
t-Butyl peroxy 2-ethylhexyl monocarbonate <b>CHEMEX EC</b>	Liquid(Technical pure)	95	(6.49) 6.17	18 kg (18×1)	Below 30	3105	34443-12-4	161.4	119.3	99.0
t-Butyl peroxy isopropyl monocarbonate <b>CHEMEX BPC75(IP)</b>	Liquid(Hydrocarbon solution)	75	(9.08) 6.81	15 kg (15×1)	Below 30	3103	2372-21-6	158.8	118.4	98.7

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								1min	1Hr	10Hr
t-Butyl peroxy maleic acid <b>CHEMEX BMA</b>		25	(8.50) 2.13	50 kg (50×1)	Below 30	3102	1931-62-0	167.5	119.0	96.1
t-Butyl peroxy 2-ethylhexanoate <b>CHEMEX BO</b> <b>CHEMEX BO50(D)</b>	Liquid(Technical pure) Liquid(Plasticizer solution)	97 50	(7.40) 7.18 3.70	10 kg (10×1) 10 kg (10×1)	Below 0 Below 20	3113 3117	3006-82-4	134.0	92.1	72.1
t-Butyl peroxy pivalate <b>CHEMEX BPV70(IP)</b> <b>CHEMEX BPV75(IP)</b>	Liquid(Hydrocarbon solution) Liquid(Hydrocarbon solution)	70 75	(9.18) 6.43 6.89	10 kg (10×1) 10 kg (10×1)	Below -15 Below -15	3113	927-07-1	110.3	72.7	54.6
t-Butyl peroxy benzoate <b>CHEMEX BZ</b>	Liquid(Technical pure)	98	(8.24) 8.08	12 kg (12×1)	Below 30	3103	614-45-9	166.8	124.7	104.3
t-Butyl peroxy 3,5,5-trimethyl hexanoate <b>CHEMEX IN</b>	Liquid(Technical pure)	97	(6.95) 6.74	16 kg (16×1)	Below 30	3105	13122-18-4	166.0	119.3	97.1
α,α'-Bis(neodecanoyl peroxy)diisopropyl benzene <b>PERCUMYL BF</b>	Liquid(Hydrocarbon solution)	50	(5.98) 2.99	16 kg (16×1)	Below -15	3115	117663-11-3	92.2	54.1	35.9
Cumyl peroxyneodecanoate <b>CHEMEX CND70(IP)</b>	Liquid(Hydrocarbon solution)	70	(5.22) 3.65	10 kg (10×1)	Below -15	3115	26748-47-0	94.0	55.0	36.5
2,5-Dimethyl-2,5-bis(m-toluoylperoxy)hexane <b>PERHEXA 25Z</b>	Powder(Technical pure)	90	(8.28) 7.45	40 kg (5×8)	Below 30	3102	2618-77-1	158.2	118.8	99.7
t-Hexyl peroxy pivalate <b>PERHEXYL PV</b>	Liquid(Hydrocarbon solution)	70	(7.91) 5.54	16 kg (16×1)	Below -10	3115	51938-28-4	109.1	71.3	53.2
t-amyl peroxy pivalate <b>CHEMEX APV</b>	Liquid(Hydrocarbon solution)	70	(8.50) 6.37	10 kg (10×1)	Below -15	3113	29240-17-3	91.0	72.0	55.0
t-amyl peroxy 2-ethylhexanoate <b>CHEMEX AO</b>	Liquid(Technical pure)	95	(6.95) 6.60	10 kg (10×1)	Below -10	3115	686-31-7	111.0	91.0	73.0

### [Contact Us]

▶ 변동화 팀장(FC영업팀)

▶ E-mail: [dhbyun@dongsunggroup.com](mailto:dhbyun@dongsunggroup.com)

▶ Tel: 02-3450-4293

▶ Fax: 02-553-6466