

🔍 List of Organic peroxides as Cross-linking 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
Peroxyketals										
2,2-Bis(t-butylperoxy)butane Perhexa 22	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) PERHEXA C(S) PERHEXA C(EB)	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 PERHEXA V PERHEXA V-40 PERHEXA V-40MB	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 PERTETRA A	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
Dialkylperoxides										
t-Butyl cumyl peroxide PERBUTYL C	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 PERBUTYL D	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 PERBUTYL P PEROXYMON F-40 PERBUTYL P-40MB	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
Dicumyl peroxide PERCUMYL D PERCUMYL D-40 PERCUMYL D-40MB	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 PERHEXA 25B PERHEXA 25B-40 PERHEXA 25B-40MB	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 PERHEXYNE 25B PERHEXYNE 25B-40	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

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								1min	1Hr	10Hr
Peroxyester										
t-Butyl peroxybenzoate CHEMEX BZ	Liquid(Technical pure)	98	(8.24) 8.08	12 kg (12×1)	Below 30	3103	614-45-9	166.8	124.7	104.3
2,5-Dimethyl-2,5-bis(m-toluoylperoxy)hexane PERHEXA 25Z	Powder(Technical pure)	90	(8.28) 7.45	40 kg (5×8)	Below 30	3102	2618-77-1	158.2	118.8	99.7

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