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RUBBER CHEMICALS
-PEROXIDES-

AKROCHEM[®] PEROXIDE COMPARISON
-HALF-LIFE and CURE EQUIVALENCY-

Akrochem Product	Chemical Type	Active Peroxide	Benzene 10hr	Half-Life 1hr	Temp °C 1min	*Relative Equal State-of-Cure v. DC-99%
Slower						
2,5 Tri-85	2,5-dimethyl-2,5-Di-(t-butylperoxy) hexyne-3	85%	128	148	195	0.50
2,5 Tri-45	2,5-dimethyl-2,5-Di-(t-butylperoxy) hexyne-3	45%	128	148	195	1.15
DDPH	2,5-dimethyl-2,5-Di-(t-butylperoxy) hexane	100%	125	143	188	0.78
DDPH-50	2,5-dimethyl-2,5-Di-(t-butylperoxy) hexane	50%	125	143	188	1.55
VCP	a,a'- bis-(t-butyl peroxy)diisopropyl benzene	97%	124	142	183	0.62
VC-40C or K	a,a'- bis-(t-butyl peroxy)diisopropyl benzene	40%	124	142	183	1.55
DCP	dicumyl peroxide	99%	116	134	172	*1.00
Faster						
DC-40C or K	dicumyl peroxide	40%	116	134	172	2.50
TBPB-40	t-butyl peroxybenzoate	50%	104	124	165	1.30
TMC-40	1,1-bis(t-butyl peroxy)-3,3,5 tri-methylcyclohexane	40%	96	115	147	3.10
DDCBP-50	Di (2,4-Dichloro-benzoyl) peroxide	50%	54	72	110	2.80

jh 0504, t-peroxide cure equivalency

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