

Additives for Silicone Rubber

There are can be variously selected for the customer's purpose.
There should be added on two-roll mill before cure.

■ Curing Agent

Name	Chemical Composition	Addition (phr)	Usage
HC-2	2,4 Dichlorobenzoylperoxide 50%	1.2 ~ 1.8	HAV, Coating Thick Section Molding
HC-3	Dicumyl Peroxide	1.0 ~ 2.0	General Molding, Steam Cure
HC-4	2,5 Dimethyl, 2,5(t-butylperoxy) hexane 50%	0.8 ~ 1.2	All Compression Molding Conductive Rubber Food Contact
HC-8	2,5 Dimethyl, 2,5(t-butylperoxy) hexane 25%	1.6 ~ 2.4	
HC-15AY	Special Pure Peroxide (25%)	1.8 ~ 2.0	Anti Yellowing Food contact
HC-25 A	Platinum Catalyst		HAV, Molding
HC-25 B	Inhibitor + Cross linker		HAV, Molding

- HC-15AY curing agent is very effective for Less Odor, No or Less Yellowing, More Transparent purpose curing, but it may be little worse about mold releasing, if the mold is not chrome plate.

■ Additives

Additives	Color & Form	Functions	Addition Amount (phr)
ZA-1	White Paste	Improve Roll Mixing / Releasing	0.1 ~ 0.5
CA-1	"	Improve Mould Releasing	0.1 ~ 0.5
AS-1	"	"	0.1 ~ 0.5
HT-100	Light Yellow Paste	Improve Heat Resistant (280℃)	0.5 ~ 1.0
HT-P	Clear Paste	" (250℃)	0.2 ~ 0.5
HT-Red	Red Paste	" (300℃)	2.0 ~ 3.0
FS-1	White Paste	Flame Retardant (94V-1)	3.0 ~ 5.0
FS-3	Black Paste	Flame Retardant (94V-0)	3.0 ~ 5.0
Softener	Clear Paste	Improve Softness/Mold Flow	1.0 ~ 5.0
CS-1	White Beige Paste	Reduce Compression Set	1.0 ~ 3.0