

< >

11 11

가

가 .

1) $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$, $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$, $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$ 가 .

2) 가 :

3) 가 .

가 (가)		(, 150)
Thio	(0.25%)	<1
	(0.1%)	30
	(0.5%)	90
/Thiof	(0.1/0.25%)	115

2) 가

3) 가

1. 가 , 2. 가 가

가 0.1~1.5% . 가

가

가

BHT FAD 가 가 .
 . . . 가

: BHT 0.001~0.1% 가 가
가 가
가 .

0.1~1.0% BHT 가

,

가 , 가 .

AS , ABS , MBS
2

94 3700 가 80% PP, PS, PE

	2,6-di-t-Butyl-4-methylphenol	220	BHT	Uniroyal Chemical UOP Borg-Warner
	Tetrakis [methylene-3-(3,5-di-t-butyl- 4-hydroxyphenyl)propionate]methane	1178	Songnox 1010 Mianto-10 AO-60 Irganox 1010	Ciba Geigy
	Octadecyl 3,5-di-t-butyl-4-hydroxyhydrocinnamate	531	Songnox 1076 Mianto-76 AO-50 Irganox 1076 Naugard 76 Oxi-Chek 116	Ciba Geigy Uniroyal Chemical Ferro
	2,2-Methylenebis(4-methyl-6-t-butylphenol)	340.5	Cyanox 2246 Vanox 2246 Santowhite PC Ultrinox 246 Antioxidant MBP-5	American Cyanamid R. T. Vanderbilt Monsanto Borg-Warner Aceto
	Tris(2,4-di-t-butylphenyl)-phosphite	647	Songnox 1200 Mianto P-650 KP 1420 Irgafos 168 Mark 2112 Naugard 524	Ciba Geigy Asahi Denka Uniroyal Chemical
	Bis(2,4-di-t-butyl) pentaerythritol diphosphite	604	Mianto P-600 Ultrinox 626	Borg-Warner
	Alkylester phosphite		KP 1460 Mark 260	Asahi Denka
Thio	Dilauryl thiodipropionate	515	Mianto-L Cyanox LTDP Argus DLTDP Evanstab 18	American Cyanamid Asahi Denka Evans
	Distearyl thiodipropionate	683	Mianto-S Cyanox STDP Argus DSTDP Evanstab 12	American Cyanamid Asahi Denka Evans
	Demyristyl thiodipropionate	570	Cyanox MTDP Argus DMTDP Evanstab 14	American Cyanamid Asahi Denka Evans

1 가 2500 , 1
2 Phosphite 가 700 , Thio 가 500

80% 2000 , Ciba-Geigy가
20%, 500 . Phosphite Ciba-Geigy가
600 , 100 가
Thio 가

3600

80

가			
가	(: 260 , 25rpm)		
	1	2	3
(0.1%)	4.5	6.0	6.8
/Phosphite (0.1/0.1%)	1.3	1.8	2.3

) : Irganox 1010
Phosphite Weston 618(Borg-Warner)

90 , Phosphite , Thio
가 Phosphite ,

89

94

가

< 1995/6/12>

SONGNOX 1010 SONGNOX
1076

OEM

CibaGeigy
2000