

CATALOGUE 2009 Polymate Additives

Antioxidants

Phenolic Antioxidants | Organophosphite Antioxidants | Amine Antioxidants | Thioester Antioxidants | Blended Antioxidants

Heat stabilizers

Organophosphites

Light stabilizers

HALS (Hindered amine light stabilizers) | UVA (Ultraviolet absorbers)

Flame retardants

Brominated flame retardants | Halogen free flame retardants

Antioxidants

Phenolic Antioxidants

Plaox-1010 Tetrakis [methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate] methane
Equivalent: Irganox 1010 (Ciba SC) / Anox 240 (Chemtura)
CAS: 6683-19-8

Plaox-1076 *n*-Octadecyl- β -(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate
Equivalent: Irganox 1076 (Ciba SC) / Anox PP18 (Chemtura)
CAS: 2082-79-3

Plaox-1098 *N,N'*-hexane-1,6-diylbis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide]
Equivalent: Irganox 1098 (Ciba SC) / Lowinox HD98 (Chemtura)
CAS: 23128-74-7

Plaox-1024 *N,N'*-Bis(3,5-di-tert-butyl-4-hydroxyphenyl)hydrazine
Equivalent: Irganox MD-1024 (Ciba SC) / Lowinox MD24 (Chemtura)
CAS: 32687-78-8

Plaox-3114 Tris(3,5-di-tert-butyl-4-hydroxybenzyl)isocyanurate
Equivalent: Irganox 3114 (Ciba SC) / Cyanox 1740 (Cytec) / Anox IC-14TM (Chemtura)
CAS: 27676-62-6

Organophosphite Antioxidants

Plaox-168 Tri-(2,4-di-tert-butyl-phenyl)-Phosphite
Equivalent: Irgafos 168 (Ciba SC) / Alkanox 240 (Chemtura)
CAS: 31570-04-4

Plaox-626 Bis(2,4-di-tert-butyl-phenyl)Pentaerythritol Diphosphite
Equivalent: ULTRANOX 626 (Chemtura)
CAS: 26741-53-7

Amine Antioxidants

Plaox-BODPA *Butylated, Octylated Diphenylamine*
Equivalent: Naugalube-640/ Irganox L-57
CAS: 6683-19-8

Plaox-DNDPA *Nonylated Diphenylamine*
Equivalent: Naugalube -438L / Irganox L-67
CAS: 2082-79-3

Plaox-DODPA *4, 4' -Dioctyl Diphenylamine*
Equivalent: Vanox-12/ Vanlube-81
CAS: 23128-74-7

Plaox-DCDPA *Dicumylated Diphenylamine*
Equivalent: Permanax CD, Permanax 49, Nangard 445, Nocrac CD
CAS: 32687-78-8

Thioester Antioxidants

Plaox-DLTDP *DiLauryl ThioDiPropionate*
Equivalent: Irganox PS800 (Ciba SC)/Lowinox DLTDP (Chemtura) /Cyanox LTDP (Cytec)
CAS:123-28-4

Plaox-DSTDP *DiStearyl ThioDiPropionate*
Equivalent: Irganox PS802 (Ciba SC)/Lowinox DSTDP (Chemtura)/ Cyanox STDP (Cytec)
CAS: 693-36-7

Blended Antioxidants

Plaox-B215 *Blend of Plaox-1010 and Plaox-168 (1:2)*
Equivalent: Irganox B 215 (Ciba SC)
CAS: Not available

Plaox-B225 *Blend of Plaox-1010 and Plaox-168 (1:1)*
Equivalent: Irganox B 225 (Ciba SC)
CAS: Not available

Heat stabilizers

Organophosphites

Pherst-TPP *Tetrakis [methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate]] methane*
Equivalent: Irganox 1010 (Ciba SC)/ Anox 240 (Chemtura)
CAS: 101-02-0

Pherst-ODPP *n-Octadecyl- β -(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate*
Equivalent: Irganox 1076 (Ciba SC)/ Anox PP18 (Chemtura)
CAS: 26401-27-4

Light stabilizers

HALS (Hindered amine light stabilizers)

- Palst-770** *Bis-(2, 2, 6, 6-tetramethyl-4-piperidyl) Sebacate*
Equivalent: Tinuvin 770 (Ciba SC) /Lowilite 77 (Chemtura)/ Uvinul-4077 (BASF)
CAS: 52829-07-9
- Palst-622** *Poly (4-hydroxy-2, 2, 6, 6-tetramethyl-1-piperidine ethanol-alt-1,4-butanedioic acid)*
Equivalent: Tinuvin 622 (Ciba SC)/ Lowilite 62 (Chemtura)/ Uvinul-5062H (BASF)
CAS: 65447-77-0
- Palst-944** *Poly-[[[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diy]][(2,2,6,6-tetramethyl-4-piperidyl)imino]-1,6-hexanediyl[(2,2,6,6-tetramethyl-4-piperidyl)imino]]*
Equivalent: Chimassorb 944 (Ciba SC)/ Lowilite 94 (Chemtura)
CAS: 70624-18-9
- Palst-783** *Blend of Palst-622 and Palst-944 (1:1)*
Equivalent: Tinuvin 783 (Ciba SC)
CAS: Palst-622 【 65447-77-0 】 and Palst-944 【 70624-18-9 】
- Palst-791** *Blend of Palst-770 and Palst-944 (1:1)*
Equivalent: Tinuvin 791 (Ciba SC)
CAS: Palst-770 【 5 2829-07-9 】 and Palst-944 【 70624-18-9 】
- Palst-3346** *Poly [(6-morpholino-s-triazine-2,4-diy)[2,2,6,6-tetramethyl-4-piperidyl] imino]- hexamethylene [(2,2,6,6-tetramethyl-4-piperidyl) imino]]*
Equivalent: Cyasorb UV-3346 (Cytec)
CAS: 82451-48-7
- Palst-3529** *1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidiny)-, Polymers with morpholine -2,4,6 -trichloro-1,3,5-triazine*
Equivalent: Cyasorb UV-3529 (Cytec)
CAS: 193098-40-7

UVA (Ultraviolet absorbents)

- Pamsorb-531** *2-Hydroxy-4-n-octoxybenzophenone*
Equivalent: Chimassorb 81 (Ciba SC) / Cyasorb UV-531 (Cytec)/Lowilite 22 (Chemtura)
CAS: 1843-05-6
- Pamsorb-P** *2-(2'-Hydroxy-5'-methylphenyl)benzotriazole*
Equivalent: Tinuvin P (Ciba SC) /Lowilite 55 (Chemtura)/Uvinul-3033P (BASF)/Cyasorb UV-5365 (Cytec)
CAS: 2440-22-4

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| <i>Pamsorb-234</i> | <i>2-(2H-benzotriazol-2-yl)-4, 6-bis (1-methyl-1-phenylethyl) phenol</i> <i>Equivalent: Tinuvin 234 (Ciba SC)/Lowilite 234 (Chemtura)</i> <i>CAS: 70321-86-7</i> |
| <i>Pamsorb-326</i> | <i>2-(2'-Hydroxy-3'-tert-butyl-5'-methylphenyl)-5-chlorobenzotriazole</i> <i>Equivalent: Tinuvin 326 (Ciba SC) /Lowilite 26 (Chemtura)/ Uvinul-3026 (BASF)</i> <i>CAS: 3896-11-5</i> |
| <i>Pamsorb-327</i> | <i>2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)-5-chlorobenzotriazole</i> <i>Equivalent: Tinuvin 327 (Ciba SC) /Lowilite 27 (Chemtura)/ Uvinul-3027 (BASF)</i> <i>CAS: 3864-99-1</i> |
| <i>Pamsorb-328</i> | <i>2-(2'-Hydroxy-3',5'-di-tert-amylphenyl) benzotriazole</i> <i>Equivalent: Tinuvin 328 (Ciba SC) /Lowilite 28 (Chemtura)/ Uvinul-3028 (BASF)</i> <i>CAS: 25973-55-1</i> |
| <i>Pamsorb-1164</i> | <i>2 - (4,6 - bis (2,4 - dimethyl-phenyl) -1,3,5 - triazine -2 - yl) -5 - Octyloxy phenol</i> <i>Equivalent: Cyasorb UV-1164 (Cytec)</i> <i>CAS: 2725-22-6</i> |
| <i>Pamsorb-1577</i> | <i>2-(4, 6-Diphenyl-1, 3, 5-triazin-2-yl)-5-[(hexyl)oxy]-phenol</i> <i>Equivalent: Tinuvin 1577(Ciba SC)</i> <i>CAS: 147315-50-2</i> |

Flame retardants

Brominated flame retardants

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| <i>Plamtar-TBBA</i> | <i>TetraBromo Bisphenol A</i> <i>Equivalent: SAYTEX CP-2000 (Albemarle)/ BA-59P (Chemtura)/ FR-1524 (ICL)</i> <i>CAS: 79-94-7</i> |
| <i>Plamtar-BDDP</i> | <i>Tetrabromobisphenol A bis (2, 3-dibromopropyl ether)</i> <i>Equivalent: SAYTEX HP-800 (Albemarle)/PE-68 (Chemtura)/ FR-720 (ICL)</i> <i>CAS: 21850-44-2</i> |
| <i>Plamtar-TBSBPE</i> | <i>Tetrabromobisphenol S Bis-(2, 3-Dibromopropyl) Ether; 3,5-dibromo-4-(2,3-dibromopropoxy)diphenyl sulfone</i> <i>Equivalent: -</i> <i>CAS: 42757-55-1</i> |
| <i>Plamtar-DBDPE</i> | <i>DecaBromo DiPhenyl Ethane; 1, 2-bis (pentabromophenyl) Ethane</i> <i>Equivalent: SAYTEX 8010 (Albemarle)/ Firemaster 2100 (Chemtura)</i> |

CAS: 61262-53-1 & 84852-53-9

Plamtar-BTBPOE 1,2-Bis(2,4,6-tribromophenoxy)ethane

Equivalent: FF-680 (Chemtura)

CAS: 37853-59-1

Plamtar-BTBPIE 1, 2-bis(tetrabromophthalimido) ethane; N, N-Ethylene-bis(tetrabromophthalimide)

Equivalent: Saytex BT93 (Albemarle)

CAS: 32588-76-4

Plamtar-TTBPC Tris (tribromophenyl) cyanurate Tris (tribromophenoxy) triazine;

2, 4, 6-tris (2,4,6-tribromophenoxy)-1,3,5 triazine

Equivalent: FR245 (ICL)

CAS: 25713-60-4

Plamtar-TBC 1,3,5-tris(2,3-dibromopropyl)-isocyanurate

Equivalent: TAICROS 6B (Evonik, Degussa)/ ARMOQUELL FR930 (Akzo Nobel)

CAS: 52434-90-9

Halogen free flame retardants

Plamtar-RDP Resorcinol bis-diphenylphosphate; Phosphoric trichloride, polymer with 1, 3-benzenediol, phenyl ester

Equivalent: Reofos RDP (Chemtura) / Fyrolflex-RDP (Supresta)

CAS: 57583-54-7 & 125997-21-9

Plamtar-BDP Bisphenol A bis-diphenylphosphate

Equivalent: Reofos BAPP (Chemtura) / Fyrolflex-BDP (Supresta)/ NCENDX P-30 (Albemarle)

CAS: 181028-79-5 & 5945-33-5

Plamtar-DOPO 9,10-Dihydro-9-oxa-10-phosphaphenanthrene-10-oxide

Equivalent: -

CAS: 35948-25-5

Plamtar-DOPO-HQ6-(2, 5-Dihydroxyphenyl)-6H-dibenz [c, e] [1, 2] oxaphosphorine-6-oxide

Equivalent: -

CAS: 99208-50-1