

CATALOGUE 2010 Polymate Additives

Antioxidants

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Flame retardants

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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-butyl-4-hydroxy-phenylpropionyl) 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
- Plaox-697** *Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1,2-dioxo-1,2-ethanediyloxy)-*
bis (imino-2,1-ethanediyloxy) ester
Equivalent: Naugard XL-1 (Chemtura)
CAS: 70331-94-1
- Plaox-698** *2, 6-Di-tert-butyl-4-ethylphenol*
Equivalent: Antioxidant 698 Ethyl
CAS: 4130-42-1
- Plaox-SP** *Styrenated Phenol*
Equivalent: Wingstay S (Eliokem) / Naugard SP (Chemtura) / Vulkanox SP (Lanxess)
CAS: 61788-44-1

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

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-diyl]][(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-diyl][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-piperidinyl)-, 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

- Pamsorb-234* 2-(2H-benzotriazol-2-yl)-4, 6-bis (1-methyl-1-phenylethyl) phenol
 Equivalent: Tinuvin 234 (Ciba SC)/Lowilite 234 (Chemtura)
 CAS: 70321-86-7
- Pamsorb-326* 2-(2'-Hydroxy-3'-tert-butyl-5'-methylphenyl)-5-chlorobenzotriazole
 Equivalent: Tinuvin 326 (Ciba SC) /Lowilite 26 (Chemtura)/ Uvinul-3026 (BASF)
 CAS: 3896-11-5
- Pamsorb-327* 2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)-5-chlorobenzotriazole
 Equivalent: Tinuvin 327 (Ciba SC) /Lowilite 27 (Chemtura)/ Uvinul-3027 (BASF)
 CAS: 3864-99-1
- Pamsorb-328* 2-(2'-Hydroxy-3',5'-di-tert-amylphenyl) benzotriazole
 Equivalent: Tinuvin 328 (Ciba SC) /Lowilite 28 (Chemtura)/ Uvinul-3028 (BASF)
 CAS: 25973-55-1
- Pamsorb-329* 2-(2'-Hydroxy-3',5'-di-tert-amylphenyl) benzotriazole
 Equivalent: Tinuvin 329 (Ciba SC) /Lowilite 29 (Chemtura)/ Uvinul-3029 (BASF)
 CAS: 3147-75-9
- Pamsorb-1164* 2 - (4,6 - bis (2,4 - dimethyl-phenyl) -1,3,5 - triazine -2 - yl) -5 - Octyloxy phenol
 Equivalent: Cyasorb UV-1164 (Cytec)
 CAS: 2725-22-6
- Pamsorb-1577* 2-(4, 6-Diphenyl-1, 3, 5-triazin-2-yl)-5-[(hexyl)oxy]-phenol
 Equivalent: Tinuvin 1577(Ciba SC)
 CAS: 147315-50-2

Flame retardants

Brominated flame retardants

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

Plamtar-DBDPE DecaBromo DiPhenyl Ethane; 1, 2-bis (pentabromophenyl) Ethane
Equivalent: SAYTEX 8010 (Albemarle)/ Firemaster 2100 (Chemtura)
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