

Photo- and Thermal-Cationic Polymerization Initiators

Cationic polymerization is a manufacturing technology characterized by its resistance to inhibition of polymerization by oxygen, and minimal shrinkage upon curing. It is utilized across a wide range of industrial fields, including paints, coatings, adhesives, and photo-polymerization. We can offer a diverse range of photo-cationic and thermal-cationic polymerization initiators, especially we can provide the structural diversity of photo-cationic polymerization initiators. The numerous combinations are available from variations in the chemical structures of cations determining the absorption wavelength, and the chemical structures of anions affecting the acidity.

Photo-Cationic Polymerization Initiators

Sulfonium Salts

Triphenylsulfonium Hexafluoroantimonate	25g / 5g	[T4012]
Triphenylsulfonium Hexafluorophosphate	25g / 5g	[T4013]
Triphenylsulfonium Tetrafluoroborate	5g / 1g	[T1608]
Triphenylsulfonium Trifluoromethanesulfonate	5g / 1g	[T2180]
Triphenylsulfonium Nonafluoro-1-butanesulfonate	5g / 1g	[T3038]
Triphenylsulfonium 10-Camphorsulfonate	5g / 1g	[T4024]
Triphenylsulfonium Bromide	5g / 1g / 100mg	[T1609]
Triphenylsulfonium Chloride	25g / 5g	[T4025]
Tri- <i>p</i> -tolylsulfonium Hexafluorophosphate	1g	[T2041]
Tri- <i>p</i> -tolylsulfonium Trifluoromethanesulfonate	5g / 1g	[T2042]
Diphenyl[4-(phenylthio)phenyl]sulfonium Trifluorotris(pentafluoroethyl)phosphate	5g / 1g	[D6261]
Diphenyl[4-(phenylthio)phenyl]sulfonium Trifluorotris(pentafluoroethyl)phosphate (ca. 50% in Propylene Carbonate)	5g	[D6256]
Diphenyl[4-(phenylthio)phenyl]sulfonium Tetrakis(pentafluorophenyl)borate	5g / 1g	[D6258]
Diphenyl[4-(phenylthio)phenyl]sulfonium Tetrakis(pentafluorophenyl)borate (ca. 40% in Propylene Carbonate)	5g	[D6257]
Diphenyl[4-(phenylthio)phenyl]sulfonium Hexafluoroantimonate	25g / 5g / 1g	[D5952]
Diphenyl[4-(phenylthio)phenyl]sulfonium Hexafluoroantimonate (ca. 50% in Propylene Carbonate)	25g	[D6259]
Diphenyl[4-(phenylthio)phenyl]sulfonium Hexafluorophosphate	25g / 5g / 1g	[D5990]
Diphenyl[4-(phenylthio)phenyl]sulfonium Hexafluorophosphate (ca. 50% in Propylene Carbonate)	25g	[D6260]
[1,1'-Biphenyl]-4-yl[4-[[1,1'-biphenyl]-4-ylthio]phenyl](phenyl)sulfonium Tetrakis(perfluorophenyl)borate (contains isomer)	5g / 1g	[B6631]
(Thiodi-4,1-phenylene)bis(diphenylsulfonium) Bis(hexafluorophosphate)	25g / 5g	[B6324]
(9-Oxo-9H-thioxanthen-2-yl)[4-[(9-oxo-9H-thioxanthen-2-yl)thio]phenyl](phenyl)sulfonium Trifluorotris(perfluoroethyl)phosphate(V)	5g / 1g	[T4222]
(9-Oxo-9H-thioxanthen-2-yl)[4-[(9-oxo-9H-thioxanthen-2-yl)thio]phenyl](phenyl)sulfonium Tetrakis(perfluorophenyl)borate	5g / 1g	[T4223]
(4-Hydroxyphenyl)dimethylsulfonium Hexafluorophosphate	5g	[H1776]
Benzyl(4-hydroxyphenyl)(methyl)sulfonium Trifluorotris(perfluoroethyl)phosphate(V)	5g / 1g	[B6632]

Iodonium Salts

Diphenyliodonium Hexafluorophosphate	25g / 5g / 1g	[D2238]
Diphenyliodonium Hexafluoroarsenate	1g	[D2248]
Diphenyliodonium Tetrafluoroborate	5g / 1g	[D5118]
Diphenyliodonium Trifluoromethanesulfonate	25g / 5g / 1g	[D2253]
Bis(4- <i>tert</i> -butylphenyl)iodonium Hexafluoroantimonate	25g / 5g	[B6347]
Bis(4- <i>tert</i> -butylphenyl)iodonium Hexafluorophosphate	5g / 1g	[B2380]
Bis(4- <i>tert</i> -butylphenyl)iodonium Tetrafluoroborate	5g / 1g	[B5661]
Bis(4- <i>tert</i> -butylphenyl)iodonium Nonafluoro-1-butanesulfonate	5g / 1g	[B6071]
Bis(4- <i>tert</i> -butylphenyl)iodonium Chloride	5g	[B6355]
Bis(4-methylphenyl)iodonium Hexafluorophosphate	25g / 5g	[B5598]
(4-Isopropylphenyl)(<i>p</i> -tolyl)iodonium Trifluorotris(perfluoroethyl)phosphate(V)	5g / 1g	[I1254]
4-Isopropyl-4'-methyl-diphenyliodonium Tetrakis(pentafluorophenyl)borate	25g / 5g	[I0591]
[4-[(2-Hydroxytetradecyl)oxy]phenyl]phenyliodonium Hexafluoroantimonate	25g / 5g	[H1683]
[4-(Octyloxy)phenyl](phenyl)iodonium Hexafluoroantimonate	5g / 1g	[O0589]
(4-Isobutylphenyl)(<i>p</i> -tolyl)iodonium Hexafluorophosphate (ca. 70% in Propylene Carbonate)	25g / 5g	[M3379]
Diphenyliodonium-2-carboxylate Monohydrate	25g / 5g	[D2503]

Photo- and Thermal-Cationic Polymerization Initiators

Photo-Cationic Polymerization Initiators

Triazine

2-(3,4-Dimethoxystyryl)-4,6-bis(trichloromethyl)-1,3,5-triazine	5g [D2963]
2-[2-(Furan-2-yl)vinyl]-4,6-bis(trichloromethyl)-1,3,5-triazine	5g [F0362]
2-(4-Methoxyphenyl)-4,6-bis(trichloromethyl)-1,3,5-triazine	25g / 5g [M1245]
2-(4-Methoxystyryl)-4,6-bis(trichloromethyl)-1,3,5-triazine	25g / 5g [M2140]
2-[2-(5-Methylfuran-2-yl)vinyl]-4,6-bis(trichloromethyl)-1,3,5-triazine	5g [M1209]
2-(1,3-Benzodioxol-5-yl)-4,6-bis(trichloromethyl)-1,3,5-triazine	25g / 5g [B3633]

Others

(Cumene)cyclopentadienyliron(II) Hexafluorophosphate	25g / 5g [C3751]
4-Nitrobenzenediazonium Tetrafluoroborate	25g [N0137]
1,3-Dioxo-1,3,3a,4,7,7a-hexahydro-2H-4,7-methanoisindol-2-yl Trifluoromethanesulfonate	5g / 1g [N1217]
N-Hydroxynaphthalimide Trifluoromethanesulfonate	1g / 250mg [H1136]

Thermal-Cationic Polymerization Initiators

Benzyl(4-hydroxyphenyl)(methyl)sulfonium Trifluorotris(perfluoroethyl)phosphate(V)	5g / 1g [B6632]
Benzyl(4-hydroxyphenyl)methylsulfonium Hexafluoroantimonate	25g / 5g [B5428]
(4-Hydroxyphenyl)methyl(2-methylbenzyl)sulfonium Hexafluoroantimonate	25g / 5g [H1620]
(4-Hydroxyphenyl)dimethylsulfonium Hexafluorophosphate	5g [H1776]
Diphenyl(methyl)sulfonium Tetrafluoroborate	5g / 1g [D2685]
Triphenylsulfonium Nonafluoro-1-butanefluoroborate	5g / 1g [T3038]
(4-Isopropylphenyl)(<i>p</i> -tolyl)iodonium Trifluorotris(perfluoroethyl)phosphate(V)	5g / 1g [I1254]
Cyclohexyl <i>p</i> -Toluenesulfonate	25g / 5g [C2363]
Dicyandiamide	500g / 25g [C0454]
Tributyl(methyl)phosphonium Dimethyl Phosphate	100g / 25g [T3945]
Tetrabutylphosphonium <i>O,O</i> -Diethyl Phosphorodithioate	100g / 25g [T3946]

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