

ANTIOXIDANTS

国家级高新技术企业

NATIONAL HIGH-TECH
ENTERPRISE



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QINGDAO GON PLASTICS CO.,LTD





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▼ Primary Antioxidants

Name	Chemical Structure	M.W	M.P(°C)	TGA (°C %mass loss)	Application
Antioxidant ZX-1010 CAS No.: 6683-19-8 Pentaerythritol Tetrakis (B-(3,5-di-tert-butyl-4-hydroxyphenyl)prop ionate)		1178	110-125	350 5% 365 10% 387 25%	PP,PE,PA,PVC, ABS,TPE,TPR, PET,PBT
Antioxidant ZX-1076 CAS No.: 2082-79-3 n-Octadecyl-1-(3-(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate)		531	49-54	260 5% 278 10% 302 25%	PE,PP,ABS,SBS, TPE,TPR,PS,PC, PET,PMMA, PVC,PU
Antioxidant ZX-330 CAS No.: 1709-70-2 1,3,5-trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)benzene		775	240-245	346 5% 365 10% 385 25%	PP,PE,PU,ABS, PET,PA
Antioxidant ZX-3114 CAS No: 27676-62-6 1,3,5-Tris(3,5-di-tert-butyl-4-hydroxybenzyl)-s-triazine-2,4,6-(1H, 3H,5H)trione		784	218-224	322 5% 340 10% 359 25%	PP,PE,PS,ABS, PA,PVC,PU
Antioxidant ZX-5057 CAS No.: 68411-46-1 N-Phenylbenzeneamine,2,4,4-trimethyl-1-pentene and 2,4,4-trimethyl-2-pentene reaction product		393	Liquid	196 2% 221 5% 274 25%	Polyol lubricating oil Elastomer
Antioxidant ZX-1135 CAS No.: 125643-61-0 B-(3,5-di-tert-butyl-4-Hydroxyphenyl propionate isooctanol ester		390	Liquid	160 1% 200 10%	PU,TPE,TPR, PVB,PMMA
Antioxidant ZX-1098 CAS No.: 23128-74-7 N,N'-hexane-1,6-diylbis[3,5-di-tert-butyl-1-4-hydroxyphenylpropionamide]		637	155-160	330 5% 342 10% 375 25%	PA,POM,PU, Polyester

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▼ Secondary Antioxidants

Name	Chemical Structure	M.W	M.P(°C)	TGA (°C %mass loss)	Application
Antioxidant ZX-168 CAS No.: 31570-04-4 Tris-(2,4-di-tert-butylphenyl)-phosphite		646	183-187	239 5% 250 10% 272 25%	PP,PE,PS,PU,ABS, PVC,PA
Antioxidant ZX-626 CAS No.: 26741-53-7 Bis(2,4-di-t-butylphenyl)Pentaerythritol Diphosphite		604	160-180	266 5% 288 10% 368 25%	PP,PE,PS,PU, ABS,PC,PBT
Antioxidant ZX-9228 CAS No.: 154862-43-8 3,9-bis[2,4-bis(1-methyl-1-phenylethyl)phenoxy]-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane		853	≥225	356 1% 400 5% 416 10%	PP,PE,PC,PET, PA,PES
Antioxidant ZX-DSTDP CAS No: 693-36-7 Distearyl ester of 3,3'-thiodipropionic acid		683	64.5-68.5	270 5% 310 10% 342 25%	PE,PP,PU,ABS, PA
Antioxidant ZX-DLTDP CAS No.: 123-28-4 Dilauryl ester of 3,3'-thiodipropionic acid		514	39.5-41.5	251 5% 270 10% 296 25%	PE,PP,PU,ABS, PA

▼ Blending Additives / One Pack Additives

Grade Name		Phosphite Antioxidant	Phenolic Antioxidant	Form
Powder Series	Antioxidant ZX-215/225/220	168	1010	Powder
	Antioxidant ZX-561/900/911/921	168	1076	Powder
	Antioxidant ZX-9215/9225	626	1010	Powder

Grade Name		Primary Antioxidants	Secondary Antioxidants	Other Stabilizers	Form
ONE Pack /NDB	LZ series	1010, 1076, 330, 3114, etc.	168, 626, 618, 9228,412S, DSTDP, DLTDP, etc.	Acid scavengers, Nucleating agents, Slip agents, Antiblock agents, Antistatic agents, UV Absorbers, Light stabilizers, etc.	Pellet
	GX series				

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