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ABOUT US

Rianlon is a leading solution provider of anti-aging additives and application technologies for polymer materials in the world. Our product portfolio includes antioxidants (RIANOX®), light stabilizers (RIASORB®) and U-pack® which is customized blending formulation to provide one-stop anti-aging solution. Rianlon is a government certified “National High-tech Enterprise”. We are also the first publicly listed company in the Chinese anti-aging additives industry, stock symbol: 300596. We commit to the Value Creation for customers and focus on anti-aging technologies for polymer materials. At the same time, we also strive to the innovation of technology and global network so as to make contribution to the advancement of technology for global polymer materials.

PRODUCTION SITES

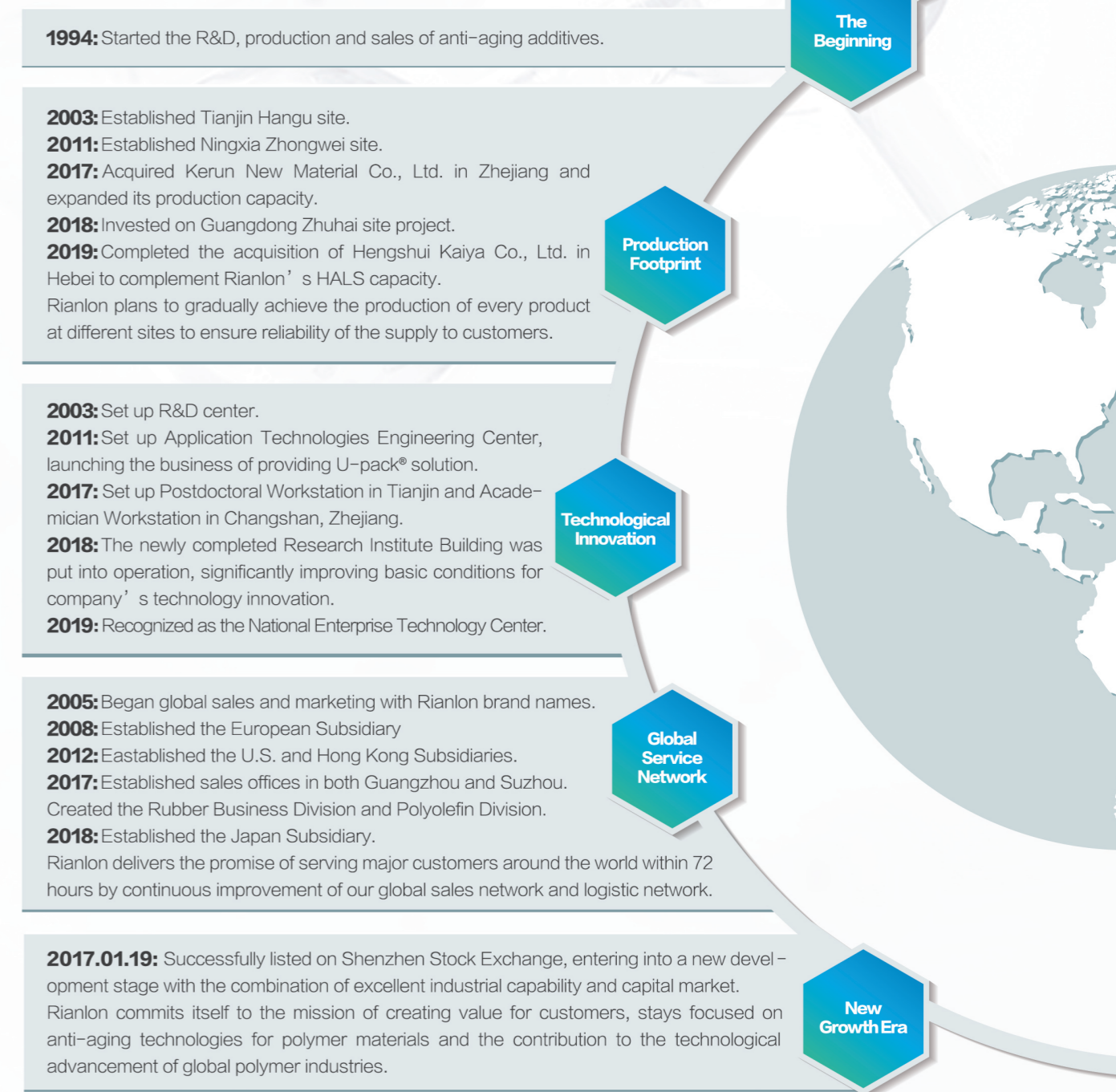
Rianlon has a very complete product portfolio with sufficient capacity of anti-aging additives for Polymers, including GAO, SAO, UVA, HALS and U-pack® and will continue to expand capacities worldwide in line with our market development and demands of customers.

Rianlon has 5 production sites.

-  **Tianjin Hangu**
-  **Ningxia Zhongwei**
-  **Zhejiang Changshan**
-  **Hebei Hengshui**
-  **Guangdong Zhuhai**
-  **Neimenggu Chifeng**



DEVELOPMENT TIMELINE





GLOBAL CUSTOMERS

Through more than 20 years of accumulation and development, Rianlon has acquired a large customer base, in which many are world leaders in their respective fields.



GLOBAL REGULATORY COMPLIANCE



- Head office
- Production Base
- Subsidiary
- Distributor
- Sales Office
- Warehouse



R&D and QC

Our research institute consists of process engineering development center and application technology development center. We strive for the innovation of new process and product development and ultimately aim for the commercialization of these innovations. At the same time, we have a complete ISO9001 system with a strict QC procedure to enable live monitoring of the entire production and operation process, ensuring first class product quality. SQC is used to analyze each batch of products to ensure the stability of the quality.

EHS AND SUSTAINABILITY

Rianlon is fully equipped with solid waste, waste water and waste gas treatment facilities to ensure the long term stability of the company running. Not only we are ISO14001 and OHSAS18001 certified, Rianlon also obtained excellent results in on-site Tfs Addit.



PRODUCTS AND APPLICATION

Our product portfolio includes antioxidants, light stabilizers and U-pack.

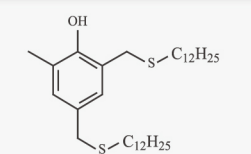
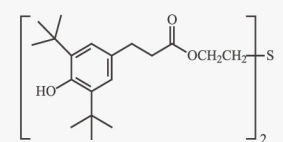
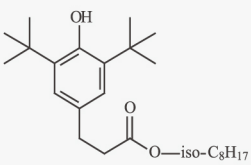
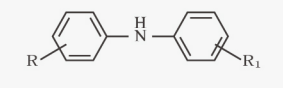
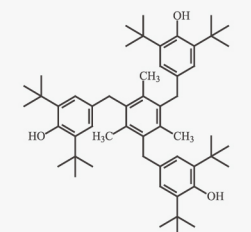
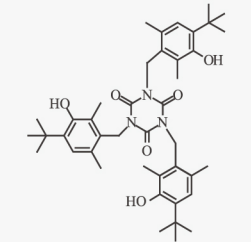
These products are widely used in such industries as automotive parts, coatings, construction materials, packaging, electronics, housewares etc. We are offering one of the most comprehensive selections of anti-aging additives to the most challenging applications our customers face. Through self-innovation, institute collaboration and customer cooperation, we are able to consistently expand production lines and provide new products and technical service year by year.

Antioxidants—Primary Antioxidants

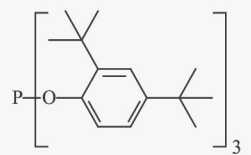
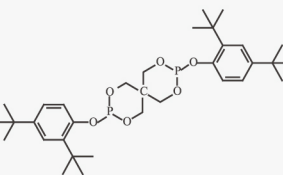
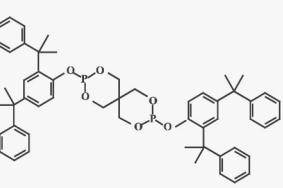
		MW	Melting Range (C)	TGA (C % mass loss)	Application
RIANOX® 1010 Tetrakis [methylene (3, 5-di-t-butyl-4-hydroxyhydrocinnamate)]methane CAS No.: 6683-19-8		1178	110-125	350 5% 365 10% 387 25%	Polyolefin Engineering Plastic Elastomer Adhesive PVC ABS PS PMMA
RIANOX® 1076 Octadecyl 3-(3',5'-di-t-butyl-4'-hydroxyphenyl)propionate CAS No.: 2082-79-3		531	50-55	260 5% 278 10% 302 25%	Polyolefin Engineering Plastic Elastomer Adhesive PVC ABS PS PMMA
RIANOX® MD-1024 1,2-Bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoyl) hydrazine CAS No.: 32687-78-8		553	221-232	284 5% 295 10% 330 50%	PP XLPE
RIANOX® MD-697 2, 2'-Oxalyldiamidobis [ethyl-3-(3, 5-di-t-butyl-4-hydroxyphenyl) propionate] CAS No.: 70331-94-1		697	174-180	326 10% 338 20% 345 30%	PP XLPE
RIANOX® 1098 N,N'-Hexamethylene bis[3-(3,5-di-t-butyl-4-hydroxyphenyl)propionamide] CAS No.: 23128-74-7		637	156-162	330 5% 342 10% 375 25%	PA POM Polyester PU Adhesive Elastomer
RIANOX® 3114 1,3,5-Tris(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione CAS No.: 27676-62-6		784	218-223	305 5% 319 10% 337 25%	PP Polyester PVC PU Elastomer Adhesive
RIANOX® 245 Triethyleneglycol-bis[3-(3-t-butyl-4-hydroxy-5-methylphenyl)propionate] CAS No.: 36443-68-2		587	77-81	297 5% 312 10% 332 25%	POM PU ABS/PS/MBS PVC Polyester
RIANOX® 1520 2-Methyl-4,6-[(octylthio) methyl] phenol CAS No.: 110553-27-0		424.7	-14	253 2% 269 5% 298 25%	BR SBR NBR IR SBS/SIS Adhesive

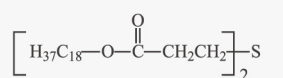
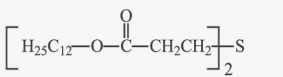
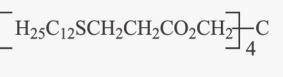
弘扬安全文化 4.5m 提升

态度决定一切 4.5m 细节决定成败

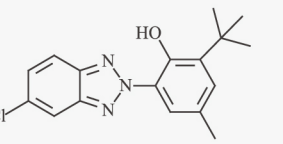
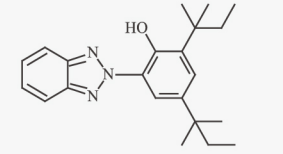
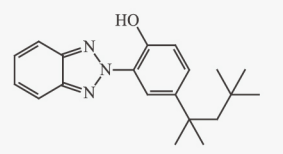
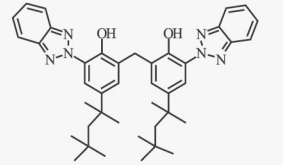
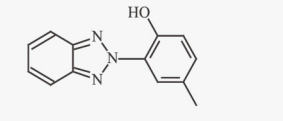
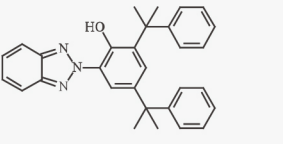
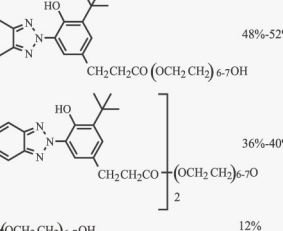
		MW	Melting Range (°C)	TGA (°C % mass loss)	Application
RIANOX® 1726 4,6-Bis(dodecylthiomethyl)-o-cresol CAS No.: 110675-26-8		537	28	270 2% 286 5% 313 25%	HMA SBA WBA
RIANOX® 1035 2,2'-Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate] CAS No.: 41484-35-9		642	63-82	291 5% 309 10% 335 25%	XLPE LDPE PP HIPS Elastomer
RIANOX® 1135/1135R Benzenepropanoic acid,3,5-bis(1,1-dimethyl-ethyl)-4-hydroxy-,C7-C9 branched alkyl/2-ethylhexyl esters CAS No.: [125643-61-0]/[144429-84-5]		390		160 1% 200 10%	Polyol Lubricating Oil Elastomer
RIANOX® 5057 Benzenamine, N-phenyl-, reaction products with 2, 4, 4-trimethylpentene CAS : 68411-46-1	 R,R1=C4H9 or C8H17 and other alkyl chains	393		196 2% 221 5% 274 25%	Polyol Lubricating Oil Elastomer
RIANOX® 330 1,3,5-Trimethyl-2,4,6-tris-(3,5-di-tert-butyl-4-hydroxybenzyl) benzene CAS No.: 1709-70-2		775	240-245	316 5% 350 10% 385 25%	PP PE Elastomer Engineering Plastic PU Adhesive
RIANOX® 1790 1,3,5-tris(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione CAS No.: 40601-76-1		700	159-163	202 1% 333 5% 349 10%	PU Polyolefin PS Polyester PA

Antioxidants—Secondary Antioxidants

RIANOX® 168 Tris(2,4-di-t-butylphenyl) phosphite CAS No.: 31570-04-4		647	183-187	239 5% 250 10% 272 25%	Polyolefin Engineering Plastic Elastomer Adhesive PVC ABS PS PMMA
RIANOX® 626 Bis(2,4-di-t-butylphenyl) pentaerythritol diphosphite CAS No.: 26741-53-7		604	170-180	256 1% 312 5% 336 10% 368 25%	Polyolefin Engineering Plastic Elastomer Adhesive PVC ABS PS PMMA
RIANOX® 686 Bis(2,4-dicumylphenyl) pentaerythritol-diphosphite CAS No.: 154862-43-8		852	>225	356 1% 400 5% 416 10%	Polyolefin Engineering Plastic PA PC Polyester

		MW	Melting Range (°C)	TGA (°C % mass loss)	Application
RIANOX® DSTP Dioctadecyl 3,3'-thiodipropionate CAS No.: 693-36-7		683	63.5-68.5	270 5% 310 10% 342 25%	Polyolefin Engineering Plastic Adhesive ABS PS
RIANOX® DLTP Dilauryl 3,3'-thiodipropionate CAS No.: 123-28-4		515	39.5-42.5	251 5% 270 10% 296 25%	Polyolefin Engineering Plastic Adhesive ABS PS
RIANOX® 412S Pentaerythrityl tetrakis(3-laurylthiopropionate) CAS No.: 29598-76-3		1162	48-54	295 1% 335 5% 351 10% 361 15%	PP PC PA Adhesive PC/ABS Polyester

Light Stabilizers—UV Absorbers

RIASORB® UV-326 2-(2'-Hydroxy-3'-t-butyl-5'-methylphenyl)-5-chlorobenzotriazole CAS No.: 3896-11-5		316	137-142	202 5% 205 10% 236 25%	Polyolefin Polyester PVB Adhesive PVC
RIASORB® UV-328 2-(2'-Hydroxy-3',5'-di-t-amylphenyl)benzotriazole CAS No.: 25973-55-1		351	80-88	197 5% 210 10% 247 25%	Coating PU Adhesive POM PVB Polyolefin Elastomer PVC
RIASORB® UV-329 2-(2H-benzotriazole-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol CAS No.: 3147-75-9		323	102-108	180 1% 220 5%	PC PVB POM PMMA PC/ABS
RIASORB® UV-360 Phenol, 2,2'-methylene-bis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)) CAS No. 103597-45-1		659	192-198	333 1% 350 2%	PC PPE PA POM
RIASORB® UV-P 2-(2'-Hydroxy-5'-methylphenyl)-benzotriazole CAS No.: 2440-22-4		225	128-132	163 5% 178 10% 190 25%	PVC ABS PU Engineering Plastic
RIASORB® UV-234 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol CAS No.: 70321-86-7		447.6	137-141	264 1% 280 2% 302 5%	Polyester PC POM PA PU PS PMMA Coating
RIASORB® UV-1130 Reaction products of methyl 3-(3-(2H-benzotriazole-2-yl)-5-t-butyl-4-hydroxyphenyl) propionate and PEG 300 CAS No. 104810-48-2 104810-47-1 25322-68-3		637 975 300	-40	48%-52% 36%-40% 12%	Industrial Coating Automotive Coating

		MW	Melting Range (C)	TGA (C % mass loss)	Application
RIASORB® UV 384-2 Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters 1-methoxy-2-propyl acetate CAS No.: 127519-17-9 108-65-6		452		264 2% 292 5% 336 25%	Industrial Coating Automotive Coating
RIASORB® UV-928 2-(2H-Benzotriazol-2-yl)-6-(1-methyl-1-phenylethyl)-4-(1, 1, 3, 3-tetramethylbutyl) phenol CAS No.: 73936-91-1		441.6	108-113	278 2% 299 5% 347 25%	Automotive Coating Powder Coating Coil Coating
RIASORB® UV-400 1, 3- Benzenediol, 4- [4, 6-bis (2, 4- dimethylphenyl)-1, 3, 5-triazin-2-yl]-, reaction products with [(dodecyloxy) methyl]oxirane and oxirane mono [(C10-16-alkyloxy) methyl] derivatives 2-Propanol, 1-methoxy CAS No.:153519-44-9 107-98-2		647			Automotive Coating Industrial Coating Wood Coating Architectural Coating
RIASORB® UV-405 2-[4,6-bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]-5-[3-[(2-ethylhexyl)oxy]-2-hydroxypropoxyl]-phenol CAS No.: 137658-79-8		583.8	73-77	366 1% 408 5% 426 10%	High performance automotive OEM powder coatings High performance industrial powder coatings High performance liquid coatings
RIASORB® UV-1577 2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-[(hexyl)oxy]-phenol CAS No.: 147315-50-2		425.5	147-151	317 2% 338 5% 379 25%	PC PC/ABS PC/PBT PPE/IPS PPE/PA
RIASORB® UV-1164 2,4-bis(2,4-dimethylphenyl)-6-(2-hydroxy-4-octyloxyphenyl)-s-triazine CAS No.: 2725-22-6		509.7	88-91	322 2% 347 5% 398 25%	PE PP PA ASA PETG PMMA PC Polyester
RIASORB® UV-531 2-Hydroxy-4-octoxybenzophenone CAS No.: 1843-05-6		326	47-50	200 0.8% 225 2.1% 250 6.4%	LLDPE EVA HDPE PVC Elastomer

Light Stabilizers—HALS

RIASORB® UV-123 Decanedioic acid, bis(2,2,6,6-tetramethyl-1-(octyloxy)-4-piperidinyl) ester, reaction products with 1,1-dimethylethylhydroperoxide and octane CAS No.:129757-67-1		737	< -30°C		Automotive Coating Industrial Coating Wood Coating
RIASORB® UV-292 Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS No.: 41556-26-7 82919-37-7		509 370		225 1% 250 3% 275 10%	Industrial Coating Automotive Coating

		MW	Melting Range (C)	TGA (C % mass loss)	Application
RIASORB® UV-622 Butanedioic acid, dimethyl ester, polymer with 4-hydroxy-2, 2, 6, 6-tetramethyl-1-piperidine ethanol CAS No.: 65447-77-0			50-70	200 0.1% 250 0.4% 275 1.1%	Polyolefin POM PA PU
RIASORB® UV-770 Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate CAS No.: 52829-07-9		481	81-85	203 1% 221 5% 242 10%	Polyolefin EPDM ABS/SAN/ASA PU PA POM
RIASORB® UV-944 Poly[[6-[(1,1,3,3-tetramethylbutyl)amino]-s-triazine-2,4-dinyl][(2,2,6,6-tetramethyl-4-piperidyl) imino] hexamethylene [2,2,6,6-tetramethyl-4-piperidyl) imino]] CAS No.: 70624-18-9/ 71878-19-8		Mn= 2000-3100	100-135	275 0.2% 300 1.0% 325 3.7%	Polyolefin PU PA POM
RIASORB® UV-119FD N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino) triazin-2-yl) -4,7-diazadecane- 1,10-diamine CAS No.: 106990-43-6		2285.6	115-150	353 1% 418 5% 437 10%	PE PP EPR EPDM ERR EVA EVOH

U-pack®

U-pack® 621B	A customized formulation of Antioxidants for variety applications	U-pack® B7195	U-pack specially used in the polyether polyols industry
U-pack® B1171	A customized formulation of Antioxidants for variety applications	U-pack® B7322	U-pack specially used for modified polyolefin materials
U-pack® B1411	A customized formulation of Antioxidants for variety applications	U-pack® B7355	U-pack specially used in the compounding industry
U-pack® B215	A customized formulation of Antioxidants for variety applications	U-pack® B7402	U-pack specially used in the petroleum resin industry
U-pack® B220	A customized formulation of Antioxidants for variety applications	U-pack® B7429	U-pack specially used in the polyolefin industry
U-pack® B225	A customized formulation of Antioxidants for variety applications	U-pack® B7458	U-pack specially used in the petroleum resin industry
U-pack® B2777	A customized formulation of Antioxidants for variety applications	U-pack® B7521E	U-pack specially used in the polyether polyols industry
U-pack® B561	A customized formulation of Antioxidants for variety applications	U-pack® B7522	U-pack antioxidants specially used in the polyether polyols industry
U-pack® B7018	U-pack specially used in the synthetic rubber industry	U-pack® B7628	U-pack specially used in the synthetic rubber industry
U-pack® B7022D	U-pack specially used for materials made by emulsion polymerization	U-pack® B7705	U-pack specifically designed for the use in polyurethane based adhesive
U-pack® B7029	U-pack specially used in the synthetic rubber industry	U-pack® B7712	U-pack specially used in the TPU industry
U-pack® B7033	U-pack antioxidants specially used in the polyether polyols industry	U-pack® B900	A customized formulation of Antioxidants for variety applications
U-pack® B7068	U-pack specially used in the synthetic rubber industry	U-pack® UV-5050	U-pack specially used in coating industry
U-pack® B7070	U-pack specially used for polyolefin compounds	U-pack® UV-5151	U-pack specially used in coating industry
U-pack® B7081L	U-pack specially used in the synthetic rubber industry	U-pack® UV-7303	U-pack light stabilizer masterbatch for PP automotive materials
U-pack® B7120	U-pack used in the TPU industry especially against yellowing of the materials	U-pack® UV-7308	U-pack light stabilizer masterbatch for PP automotive materials
U-pack® B7135	U-pack specially used in the synthetic rubber industry	U-pack® UV-783	U-pack mainly used in the polyolefin industry
U-pack® B7136	U-pack antioxidants specially used in the polyether polyols industry	U-pack® UV-7750W	U-pack specially used in the water coatings
U-pack® B7169L	U-pack specially used in the polyether polyols industry	U-pack® UV-7751W	U-pack specially used in the water coatings
U-pack® B7190	U-pack used in the CPU industry especially against yellowing of the materials	U-pack® UV-7752W	U-pack specially used in the water coatings