



Changzhou Yiyi International Trading Co., Ltd.

Product Catalogue





Factory Profile

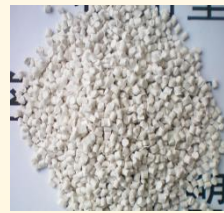
Our factory has $\varnothing 65$ parallel twin-screw granulation production line 7 sets, $\varnothing 75$ parallel twin-screw granulation production line 3 sets. Annual granulation production up to 20,000 tons. PA66, PA46, PP, PC, PBT, PE, ABS, PPS, and so on more than 100 varieties of the nine major categories. Can also produce powder nylon, extrusion nylon, nylon coating, welding nickel plating, plastic alloys, plastic metal powder alloy products. Various types of plastic modified dyeing processing, Color Masterbatch, and other services. And to provide plastic color, color mixing, material selection, molding, injection process guidance, materials, such as the detection of a number of technical services. Its products are widely used in automotive, electronics, railway, communications, textile machinery, electrical, stationery, clothing accessories, power tools, low-voltage electrical appliances, bearing gears, shielding materials, oil equipment, metal coating, magnetic materials, color masterbatch industry, sports Leisure products and many other industrial fields.



General Plastics

Polyethylene(PE)

Grade	Product Type	Melt Flow Rate (g/10min)	Density (g/cm ³)	Power Ash (%)	Tensile Strength (mpa)	Elongation at Break (%)	Izod Impact Strength (J/M)	Environmental Stress-cracking	Impact Embrittlement Temperature	Application
5000S	Extrusion	0.90	0.95	0.02	23.0	800	-	-	-	Packaging films, nets, ropes
5200B	Blow molding	0.35	0.96	0.03	23.0	800	200	25	-70	Container large toys, floats
2200J	Injection Molding	5.5	0.964	0.03	23	180	-	-	-	Bottles, boxes, etc.
5000H	Extrusion	0.11	0.956	0.03	24.5	500	10	500	-	Plates, tub liner
2100J	Injection Molding	6.5	0.953	0.03	20	-	-	-	-	Closed material
8200B	Blow Molding	0.03	0.954	0.03	25	500	-	600	-70	Large containers





General Plastics

Polyethylene(PE)

Grade	Product Type	Melt Flow Rate (g/10min)	Density (g/cm ³)	Power Ash (%)	Tensile Strength (mpa)	Elongation at Break (%)	Izod Impact Strength (J/M)	Environmental Stress-cracking	Impact Embrittlement Temperature	Application
7000M	Extrusion	0.03	0.956	0.03	24.5	450	20	600	-	Large pipes, water pipes under the
1600J	Injection Molding	18	0.956	0.03	25.0	40	1	-	-	Household appliances, daily sundries
3000B	Blow molding	0.63	0.959	0.03	23	480	2	100	-70	Small bottles, toys
8300B	Blow molding	0.021	0.950	0.03	24.0	500	-	550	-70	Vehicle fuel container
5000SR	Extrusion	0.40	0.956	0.03	23	450	15	25	-	Common packaging, films, nets, ropes





General Plastics

Polypropylene(PP)

Grade	Melt Flow Rate (g/10min)	Isotactic index (%)	An Izod Impact Strength 23°C	Tensile Strength (mpa)	Flexural Modulus (mpa)	Load Heat Distortion Temperature (°C)	Application
B4808	10	-	3.0kj/m ²	27	1000	85	Bottle blowing
B4901	1.3	-	3.0kj/m ²	28.0	1100	-	Medical infusion bottle
CJS700	11	97	-	33	1200	-	Kitchen appliances, daily necessities
EPS30R	1.5	-	500kj/m ²	25.0	950	-	Vehicle fuel container
K1003	3	-	2.0kj/m ²	-	-	100	General injection molding products
K9015	15	-	9 (-20°C) kj/m ²	14	650	60	Bumper specific material used cars





General Plastics

Polypropylene(PP)

Grade	Melt Flow Rate (g/10 min)	Isotactic index (%)	An Izod impact strength 23 °C	Tensile Strength (mpa)	Flexural Modulus (mpa)	Load heat distortion temperature°C	Application
M3700C (H23G)	37	98	22J/m	32	1200	-	Injection molding material
K9935	35	-	7.5kj/m ²	20.0	-	-	Automotive, motorcycle accessories, parts and components
T30G	3	96	3.5kj/m ²	31	-	-	Injection molding material
K7760	56	-	5.0kj/m ²	23.5	1100	100	High liquidity injection products, washing machine panels, drawer of a refrigerator or car parts
M1100	11	-	15j/m	32	1100	-	Injection molding material

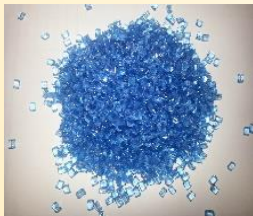




General Plastics

Low Density Polyethylene(LDPE)

Grade	Melt Flow Rate (g/10min)	Density (g/cm ³)	Tensile Strength (mpa)	Elongation at Break (%)	Application
165BW1	0.33	0.922	-	-	Shrink film, shopping bags, co-extruded film
100BW	2.0	0.923	-	-	Shrink film, cast film, plastic sheeting, general application
100AC	2.0	0.923	-	-	Cast film, FFS, general application
200GG	2.0	0.922	-	-	
1321	0.2	0.921	-	-	Shrink film, shopping bags, co-extruded film
640I	2.0	0.922	-	-	Linings, food items and special packaging, industrial films

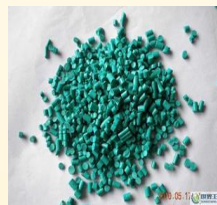




General Plastics

Low Density Polyethylene(LDPE)

Grade	Melt Flow Rate (g/10 min)	Density (g/cm ³)	Tensile Strength (mpa)	Elongation at Break (%)	Application
F222	2.0	0.922	16	600	General packaging
R300	0.35	0.920	21	750	Packaging and rice bags
R500	0.5	0.922	-	-	Packaging
FB0300	0.3	0.921	180	650	Packaging Shrink Films
FB3000	3.0	0.920	120	500	General packaging films
LB7500	7.5	0.918	140	500	General extrusion coating
5303	0.5	0.923	160	700	Shrink film, packing bag, and bed bag

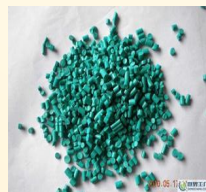




General Plastics

Linear Low Density Polyethylene (LLDPE)

Grade	Melt Flow Rate (g/10 min)	Density (g/cm ³)	Tensile Strength (mpa)	Elongation at Break (%)	Application
HS1100	0.7	0.926	400	850	Packaging bag good heat sealing properties
HS1200	0.9	0.922	350	850	General application
HS1300	0.9	0.919	350	900	Composite film, good heat sealing properties
HS1400	0.9	0.918	350	900	Composite film, good heat sealing properties
HS1500	2.1	0.917	350	900	Cast stretch film, diapers film, WVTR outstanding
HS1600	3.2	0.917	350	900	Cast stretch film, diapers film, WVTR outstanding
3224	2.0	0.920	160	650	Industrial packaging film (heat sealing temperature 130-200 °C)





General Plastics

High Density Polyethylene (HDPE)

Grade	Melt Flow Rate (g/10min)	Density (g/cm ³)	Tensile Strength (mpa)	Elongation at Break (%)	Application
8800	0.04	0.956	300	>500	
F00952	0.05	0.952	-		Shopping bags, bags of debris
F600	0.035	0.957	-	500	Shopping bags, agricultural films (F600M)
6000F	0.27	0.958	320	>500	Industrial packaging, packaging films towel.
7000F	0.04	0.956	300	>500	Industrial packaging bags, shopping bags, garbage bags
7000FM	0.04	0.956	300	>500	Cover film
7700F	0.07	0.955	300	>500	Industrial packaging film





Engineering Plastic

Product Data Sheet of PET、PA46、PA6T、PA612

Item	Density	Tensile strength at break	Elongation at break	Flexural strength at yield	Flexural modulus	Notched izod impact strength	Rockwell hardness	Melting point	Heat deflection temperature (0.45MPa)	Flame retardancy	Surface resistivity	Dielectric strength	Linear molding shrinkage
ASTM	D792	D638	D638	D790	D790	D256	D785	D789	D648	UL94	D257	D149	D955
Unit	g/cm ³	MPa	%	MPa	MPa	KJ/m ²	-	°C	°C	-	Ohm	KV/mm	mm/mm
PET 101G50	1.49	115	3	170	7500	8.0	120	254	240	HB	10 ¹³	24	0.003
PET 301G30	1.68	90	3	135	6000	7.0	120	254	243	VO	10 ¹⁴	25	0.003
PA612 Y55	1.04	40	50	70	1900	9.0	110	295	90	HB	10 ¹²	32	0.007
PA612	1.07	60	30	60	2500	8.0	115	295	155	HB	10 ¹³	30	0.012
PA46 801	1.18	55	10	90	3500	7.0	120	295	290	V2	10 ¹⁵	24	0.012
PA46 801A	1.13	40	15	45	2000	30.0	120	295	290	HB	10 ¹⁵	24	0.016
PA46 101G35	1.7	145	3	230	11000	9.0	120	295	290	HB	10 ¹⁵	25	0.003
PA46 301G30	1.68	125	3	200	9000	8.0	120	295	290	VO	10 ¹⁵	25	0.003



Engineering Plastic

Product Data Sheet of PC、ABS

Item	Density	Tensile strength at break	Elongation at break	Flexural strength at yield	Flexural modulus	Notched izod impact strength	Rockwell hardness	Melting point	Heat deflection temperature (0.45MPa)	Flame retardancy	Surface resistivity	Dielectric strength	Linear molding shrinkage
ASTM	D792	D638	D638	D790	D790	D256	D785	D789	D648	UL94	D257	D149	D955
Unit	g/cm ³	MPa	%	MPa	MPa	KJ/m ²	-	°C	°C	-	Ohm	KV/mm	mm/mm
PC/ABS 201	1.25	62	50	80	2400	40.0	105	-	130	VO	10 ¹⁴	16	0.005
PC/ABS 301G30	1.42	110	3.0	150	6500	10.0	120	-	155	VO	10 ¹⁴	16	0.003
ABS 101G20	1.22	60	3.0	70	4500	6.8	110	-	110	HB	10 ¹⁵	16	0.003
ABS 201	1.16	50	2.0	70	2500	8.0	110	-	87	VO	10 ¹⁵	18	0.005
PC/ABS 801	1.20	55	55	65	2300	45.0	115	-	110	HB	10 ¹⁴	17	0.006
PC/PBT 201	1.21	50	10.0	60	2350	8.0	115	-	90	VO	10 ¹⁴	16	0.008
PC/PBT 801	1.20	50	90	65	2200	90	110	-	125	HB	10 ¹⁴	17	0.010



Engineering Plastic

Product Data Sheet of PP

Item	Density	Tensile strength at break	Elongation at break	Flexural strength at yield	Flexural modulus	Notched izod impact strength	Rockwell hardness	Melting point	Heat deflection temperature (0.45MPa)	Flame retardancy	Surface resistivity	Dielectric strength	Linear molding shrinkage
ASTM	D792	D638	D638	D790	D790	D256	D785	D789	D648	UL94	D257	D149	D955
Unit	g/cm ³	MPa	%	MPa	MPa	KJ/m ²	-	°C	°C	-	Ohm	KV/mm	mm/mm
PP 201	1.01	28	20	35	2100	4.5	90	170	95	VO	10 ¹⁵	19	0.010
PP801	0.90	20	50	16	1300	25.0	70	170	90	HB	10 ¹⁶	15	0.0018
PP101G20	1.04	40	40	50	3000	6.0	110	170	140	HB	10 ¹⁶	14.8	0.006
PP101G30	1.12	70	70	80	5000	7.0	103	170	150	HB	10 ¹⁶	16.5	0.004
PP401M20	1.04	25	25	40	2400	4.5	98	170	115	HB	10 ¹⁴	19	0.012
PP401M30	1.14	30	30	45	2800	4.5	100	170	125	HB	10 ¹⁴	19	0.010



Engineering Plastic

Product Data Sheet of PA66

Item	Density	Tensile strength at break	Elongation at break	Flexural strength at yield	Flexural modulus	Notched izod impact strength	Rockwell hardness	Melting point	Heat deflection temperature (0.45MPa)	Flame retardancy	Surface resistivity	Dielectric strength	Linear molding shrinkage
ASTM	D792	D638	D638	D790	D790	D256	D785	D789	D648	UL94	D257	D149	D955
Unit	g/cm ³	MPa	%	MPa	MPa	KJ/m ²	-	°C	°C	-	Ohm	KV/mm	mm/mm
PA66 201	1.24	75	10	95	2700	6.0	120	260	215	VO	10 ¹³	17	0.012
PA66 301G25	1.45	140	3.0	180	7500	7.0	120	259	250	VO	10 ¹³	17	0.003
PA66 8012	1.08	45	60	50	1500	60.0	110	260	190	HB	10 ¹³	20	0.016
PA66 8015	1.09	60	40	80	2300	12.0	110	260	200	HB	10 ¹³	20	0.013
PA66 101G15	1.21	115	3.0	145	5000	8.0	120	258	255	HB	10 ¹³	20	0.004
PA66 102G30	1.36	145	20.0	165	7000	18.0	110	260	250	HB	10 ¹³	20	0.004
PA66 801	1.13	80	10.0	90	2700	3.4	120	255	210	HB	10 ¹³	20	0.012
PA66 401MI	1.24	70	15.0	75	3500	12.0	118	255	238	HB	10 ¹³	20	0.010



Engineering Plastic

Product Data Sheet of PA6

Item	Density	Tensile strength at break	Elongation at break	Flexural strength at yield	Flexural modulus	Notched izod impact strength	Rockwell hardness	Melting point	Heat deflection temperature (0.45MPa)	Flame retardancy	Surface resistivity	Dielectric strength	Linear molding shrinkage
ASTM	D792	D638	D638	D790	D790	D256	D785	D789	D648	UL94	D257	D149	D955
Unit	g/cm ³	MPa	%	MPa	MPa	KJ/m ²	-	°C	°C	-	Ohm	KV/mm	mm/mm
PA6 201	1.18	80	5	90	2500	7.0	120	220	170	VO	10 ¹²	17	0.012
PA6 301G15	1.30	90	3.0	105	4500	8.0	120	220	195	VO	10 ¹²	17	0.004
PA6 301G30	1.52	120	3	165	7000	8.0	120	220	215	VO	10 ¹²	17	0.002
PA6 801	1.03	40	>35	45	1600	60.0	100	220	130	HB	10 ¹³	20	0.016
PA6 8012	1.10	55	>35	65	2000	14.0	110	220	160	HB	10 ¹³	20	0.013
PA6 101G15	1.28	145	3.0	150	6500	12.0	120	220	215	HB	10 ¹²	17	0.004
PA6 101G30	1.36	170	3.0	240	7500	13.0	120	220	215	HB	10 ¹²	17	0.003
PA6 8011	1.13	75	10.0	90	2550	6.0	118	220	160	HB	10 ¹³	20	0.014



Engineering Plastic

Product Data Sheet of PBT

Item	Density	Tensile strength at break	Elongation at break	Flexural strength at yield	Flexural modulus	Notched izod impact strength	Rockwell hardness	Melting point	Heat deflection temperature (0.45MPa)	Flame retardancy	Surface resistivity	Dielectric strength	Linear molding shrinkage
ASTM	D792	D638	D638	D790	D790	D256	D785	D789	D648	UL94	D257	D149	D955
Unit	g/cm ³	MPa	%	MPa	MPa	KJ/m ²	-	°C	°C	-	Ohm	KV/mm	mm/mm
PBT 201	1.25	56	5	60	2300	6.5	119	220-225	170	VO	10 ¹³	15	0.015
PBT 301G15	1.55	90	3.0	120	5000	6.0	120	220-225	215	VO	10 ¹³	20	0.008
PBT 301G30	1.65	110	2.5	140	6500	7.0	120	220-225	220	VO	10 ¹³	20	0.006
PBT 101G15	1.42	98	3.5	110	4600	7.0	119	220-225	210	HB	10 ¹³	15	0.010
PBT 101G30	1.53	125	2.5	180	7500	8.0	120	220-225	215	HB	10 ¹³	20	0.005
PBT 801	1.25	38	40.0	45	1500	8.0	110	220-225	120	HB	10 ¹³	15	0.018



Our plastic raw material factory





Changzhou Yiyi International Trading Co., Ltd.

