



Jouyi Plastic.

SUSTAINABLE PLASTICS SOLUTIONS

RELIABLE SUPPLY CHAIN

YOUR SCRAP, OUR RESOURCE

OUR CAPACITY

Monthly output

1,200⁺ tons

- PP recycling & compounding
- PA6 recycling & compounding
- Sustainable high-performance compounds

OUR GRADES

30⁺ standard grades & colors available in stock

Custom solutions for your applications

MATERIAL CATEGORIES

Recycled PP Series : PP / PPGF / PPMF

Recycled PA Series : PA6 / PA6GF

TURNING WASTE PLASTICS INTO NEW MATERIALS

We also purchase waste materials

Film / Scraps / Lumps



Jouyi Plastic.

Our Certifications & Future Goals

KEY CERTIFICATIONS



(SGS / TÜV CERTIFIED)



(SGS / TÜV CERTIFIED)

EXTENDED CERTIFICATIONS (SELECTED GRADES)



(SGS / TÜV CERTIFIED)



(SGS / TÜV CERTIFIED)

CERTIFICATIONS IN PROGRESS



GRS

(GLOBAL RECYCLED STANDARD)



ISO 9001

(QUALITY MANAGEMENT)

FUTURE GOALS



ISO 14063

(ENVIRONMENTAL COMMUNICATION)



ISO 14067

(CARBON FOOTPRINT)

RECYCLED PA6 SOLUTIONS

Engineering Performance • Sustainable Choice

AUTOMOTIVE

fan blades, cooling & engine parts,
connectors

TOOLS

power tool housings

ELECTRONICS

sockets, switches, housings

FURNITURE

chair frames

APPLIANCES

vacuum & washing machine parts

INDUSTRIAL

gears, clamps, structural parts

**From Standard Recycled PA6 to High-performance Compounds
Supplying GRS certified PA6 through our partner**

RECYCLED PP SOLUTIONS

Broad Applications • Reliable Performance



HOUSEHOLD GOODS

storage boxes



GARDENING

flower pots, plastic components



OFFICE FURNITURE

chair components



CONSTRUCTION

pipes, formwork



AUTOMOTIVE PARTS

mirror base, lamp holders,
bumpers



HAND TOOLS

toolbox, handles, clamps,
vacuum parts



From Standard Recycled PP to High-performance Compounds

SUSTAINABLE PLASTICS SOLUTIONS

YOUR SCRAP OUR RESOURCE

TURNING WASTE INTO VALUE



**ESG, Carbon Footprint, and GRS Certification
are becoming supply chain standards**

**Using recycled materials can reduce
carbon emissions by 30-70%**



RECYCLED TO PERFECTION INNOVATIVE AS EVER



SUSTAINABLE RECYCLED PLASTIC SOLUTIONS

Reliable - Customizable - Eco-Friendly

- 20+ years of recycled plastics experience.
- Specializing in **PP Recycled Grades** and **PA6 Recycled Grades (GRS-certified, via partners)**.
- Services from coloring and compounding to fully customized grades.
- Commitment to circular economy and ESG standards.



RECYCLED PP SERIES

	Density (g/cm³)	Melt Flow Rate (g/10min)	Flexural Modulus (Mpa)	Izod Impact Strength (J/m)	Color	Applications	Key Features
Grade	ASTM-D792	ASTM-D1238	ASTM-D792	ASTM-D792			
PP-B01	0.93 - 0.95	7 - 10	930 - 1030	50 - 70	Black	General components Small visible components	General purpose Cost-efficient
PP-B08	0.91 - 0.93	20 - 24	1040 - 1130	40 - 50	Black	Thin-wall parts Appliance housings Household goods	High flowability Good rigidity Easy processing
PP-B12	0.91 - 0.92	7 - 10	780 - 900	290 - 350	Black	Sports gear Outdoor parts	Excellent impact strength Cold resistance (-20°C) Outdoor durability
PP-B17	0.91 - 0.93	2 - 4	1070 - 1140	60 - 80	Black	Structural components	High stiffness & strength Flexible processing: injection & extrusion

PP COMPOUNDING SERIES

	Density (g/cm³)	Tensile Strength (MPa)	Flexural Modulus (Mpa)	Izod Impact Strength (J/m)	Color	Applications	Key Features
Grade	ASTM-D792	ASTM-D638	ASTM-D790	ASTM-D256			
PG30(V)-N1	1.15	83	510	180	Natrual / Black	Bicycle components Sports equipment parts Automotive parts Structural components	Glass Fiber Reinforced Excellent Performance Virgin
PG30(R)-V1	1.15	70	4500	170	Natrual	Bicycle components Sports equipment parts Automotive parts Structural components	Glass Fiber Reinforced Good toughness and stiffness Easy to color Cost-effective Recycled
PG30(R)-B4	1.15	52	4300	160	Black	Bicycle components Sports equipment parts Automotive parts Structural components	Glass Fiber Reinforced Balanced toughness and stiffness Cost-effective Recycled
PP-T20	1.04	250	2000	78	Natrual	Automotive parts	Talc Filled Low warpage Balanced toughness and stiffness Virgin

RECYCLED PA6 SERIES

	Density (g/cm³)	Tensile Strength (MPa)	Flexural Modulus (Mpa)	Izod Impact Strength (J/m)	Color	Applications	Key Features
Grade	ASTM-D792	ASTM-D638	ASTM-D790	ASTM-D256			
PA6-A11	1.145	65	113	29	Black	General components	Good surface appearance Good toughness and stiffness Easy to process
PA6-J11	1.15	60	60	34	Black	General components	Cost-effective Easy to process
PA6-202	1.1	40	60	590	Black	General components	High impact resistance
PA6-SD	1.14	65	64	29	Natrual	General components Structural components Automotive parts	Cost-effective Easy to color
PA6GF-331	1.38	147	225	10	Natrual	General components Structural components Automotive parts	Glass Fiber Reinforced Cost-effective Good to color
PA6GF30 (R-B1)	1.41	118	195	15	Black	Office furniture components Fitness equipment	Glass Fiber Reinforced Good stiffness Cost-effective

HIGH PERFORMANCE PA6/66 COMPOUNDING SERIES

	Density (g/cm³)	Tensile Strength (MPa)	Flexural Modulus (Mpa)	Izod Impact Strength (J/m)	Color	Applications	Key Features
Grade	ISO-1183	ISO-527 (50mm/min)	ISO-178	ISO 180-1A Charpy (23°C)			
PA66GF-RAG10	1.58	248	405	24	Natrual / Black	Engine components High-load brackets Solar frame connectors	Heat resistance High strength and stiffness Low deformation, excellent dimensional stability Good hydrolysis resistance

Benchmark products: BASF-Ultramid A3WG10, DuPont - Zytel® 70G50HSL

PA66GF-BSG60	1.38	183	290	15	Natrual / Black	Office furniture components Hand tools Fitness equipment	Good surface appearance Excellent flowability
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Benchmark products: BASF- Ultramid B3WG6, Dupont- Zytel® 73G30L



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