

**Reny™ is a polyamide resin-based molding material mainly composed of polyamide MXD6, XD10
Used in a variety of fields, including automotives, general machinery, and electrical and electronic components**

Stiffness

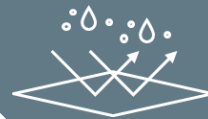


High strength and high rigidity

Reinforced with glass fibers or carbon fibers and has very high strength and rigidity

Can be used as a metal substitute material.

Low Water Absorption



Low water absorption

Lower water absorption than general-purpose polyamide resin

Can be used with high performance even after water absorption

Good Appearance



Good appearance

High filler content, but good appearance

Applicable to design parts

Biomass

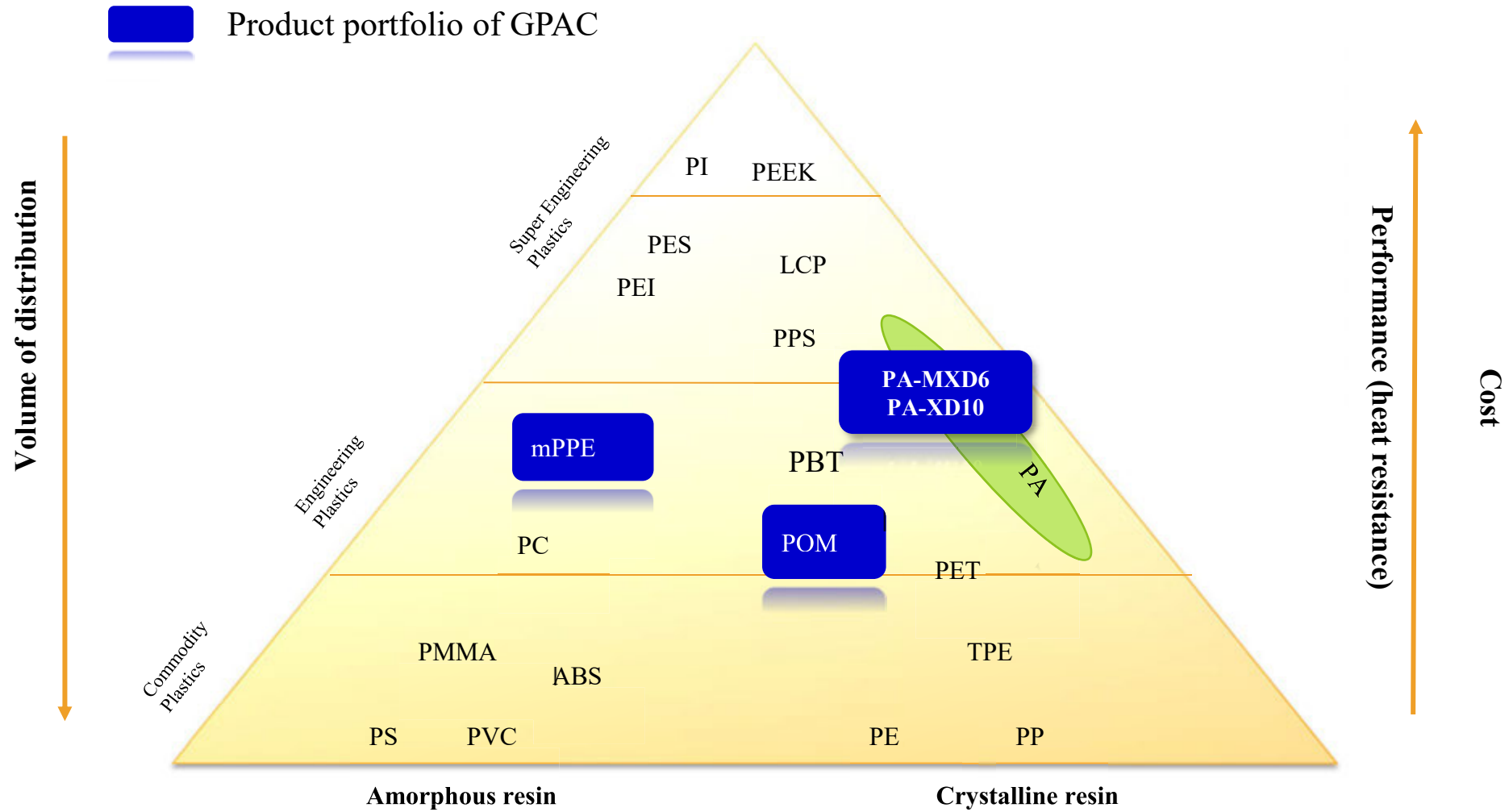


Biobased (PAXD10)

Use a bio-based polyamide resin

Lineup of grades with different melting points

Combining bio-based and functional



MX nylon is positioned in the super engineering plastics category within the polyamide group.

		1022H GF50%	1042HL GF 70%	C-56 CF50%	PA6 GF45%	PA66 GF 50%	PPS GF40%	Al-DC	Zn-DC
Density	g/cm ³	1.65	1.88	1.44	1.50	1.58	1.65	2.70	6.60
Tensile strength	MPa	260 (214)	283 (263)	304 (227)	210 (150)	237 (183)	140	270	300
Tensile modulus	GPa	20.4 (19.3)	31.0 (28.0)	45.0 (43.8)	14.7 (9.2)	16.9 (13.0)	15.3	70	59
Flexural strength	MPa	390 (318)	476 (424)	517 (443)	325 (220)	390 (280)	280	-	-
Charpy Impact strength (with notch)	MPa	11 (12)	36 (30)	6 (6)	18 (23)	14 (21)	-	-	-

It has higher strength and rigidity compared to other resins. Low specific gravity and equivalent strength compared to metal

Application	Grade
General Purpose (GF reinforced)	1002 H、 1022 H、 1042HL、 1032
Flame retardant	1521AH (halogenated flame retardant), 1527 (non-halo flame retardant)
Weather resistance	1027、 1002HUS
Impact resistance	1313 H、 1322、 1371
Low warpage	1124、 2620、 2686、 2051DS
Low friction	W-38S2、 G-07 S、 G-09 S、 G-16 S
Conductive	4001、 4011
Carbon fiber reinforced	C-36(CF30%)、 C-56(CF50%)
For information terminal	NXG5945S、 XJN1351L
For door mirrors	N-252 Series
For Automotive Cameras	1002HUS、 XL1002U、 XL1004、 XL1027
Long fiber	1038(LGF60%)、 C-408(LCF40%)

There are many other grades available, so please consult us if you have any desired application or characteristics.

Temperature setting condition

	Reny™ Normal grade	XL/XJ grade (plant-derived grade)	XH grade (plant-derived grade)
Cylinder temperature	260~290°C	260~290°C	295~315°C
Mold surface temperature	120~140°C	100~120°C	80~120°C (Below 0.8mm thickness 100°C or higher)

Regarding pellet pre-drying

- The package is sealed with a moisture-proof bag at the time of shipping, so it can be used as it is immediately after opening the package.
- However, since the pellets gradually absorb water after opening the material bag, the opened product needs to be dried for a long time.
- If water-absorbing pellets are used, problems such as drawings and silver streak on the surface of the molded product may occur.
- The typical drying conditions for pellets are 80°C×12 hours or more, or 120°C×4 hours or more for a hot air dryer.
- (If the temperature exceeds 80°C in the presence of oxygen, yellowing due to oxidation will occur, so caution is required especially for natural and light colored materials)

- The data shown are representative of the measured values obtained by our prescribed test method according to the test method concerned.
- The application examples listed above do not guarantee the results of application of our products to the relevant application.
- Please review any industrial property rights or usage conditions related to the stated applications and uses within your company..
- In handling our products (transportation, storage, shaping, disposal, etc.), please refer to technical materials and safety data sheets (SDS) of the materials or grades used. In particular, consult with us when using this product for food containers and packaging, medical components, safety equipment, children's toys, etc.
- In Japan, each grade colored product of our products may contain chemical substances that should be notified of the names, etc. in Appendix 9 of Article 18-2 of the Enforcement Order based on Article 57-2 of the Industrial Safety and Health Law. Contact us for details.
- When exporting our products and exporting products incorporating our products, please comply with all relevant laws and regulations, such as the Foreign Exchange and Foreign Trade Laws.
- Due to the chemical substance management system in each country, the chemical substances used in our products are regulated and may require separate applications or may not be imported or exported. If you are the exporter or importer of our products, contact us for regulatory compliance in the relevant country.