

Technical DataSheet

Cabonia Pellets (Carbon Fiber Pellets)

Cabonia Pellets is a product processed from recycled carbon fiber using Catack-H technology. It is crafted into pellet form by blending the carbon fiber with plastic resin. Cabonia Pellets finds applications in various fields, including structures such as aircraft, automobiles, ships, and buildings, as well as electronic components, sports equipment, toys, interiors, and medical devices. Its utilization aims to enhance electromagnetic shielding, lightweight properties, and strength



Inspection item	ABS rCF30	PETG rCF30	PC rCF30	PA6 rCF30	PA66 CF30	Unit
Fiber Presursor Type	PAN					
Size	3 (2Φ) ± 1					mm
Density	1.17	1.37	1.31	1.25	1.26	g/cm ³
Base Resin	ABS	PETG	PC	PA6	PA66	Resin
Carbone fiber content	30	30	30	30	30	%
Tensile strength	1,050	1,464	1,554	2,090	2,628	Kgf/cm ²
Elongation	5.8	8.4	7.2	10.5	11.1	%
Flexural strength	1,300	1,980	2,030	2,479	3,338	Kgf/cm ²
Flexural Modulus	125,640	135,500	132,665	126,587	158,827	Kgf/cm ²
Izod Impact (23°C)	10.9	26	18.1	43.8	28.6	kg cm/cm ²
Note	The types of base resins and the carbon fiber content can be developed and supplied according to the desired specifications. Depending on the type of carbon fiber yarn and resin used, properties may vary due to the characteristics of products utilizing recycled carbon fiber. For specific data, please refer to the Certificate of Analysis (COA) for the purchased product.					

The properties listed in this datasheet do not constitute any warranty or guarantee of values. This information should only be used for the purposes of material selection. For more information, please contact **Catack-H**.

Packaging : After sealing in a polyethylene bag, package it in a paper bag, with 25 kg per bag / Ton ba

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