

HIPERGRON® LP

Optimal performance.
Optimal cost.



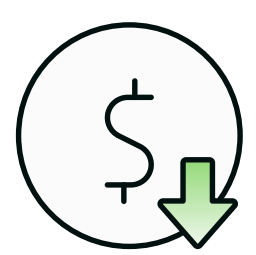
HIPERGRON® LP long glass fiber reinforced thermoplastic (LFTP) PP pellets offer excellent impact resistance and dimensional stability in thermoplastic injection molding applications. Engineered to produce less waste, HIPERGRON® LP pellets deliver an outstanding appearance standing up to high temperature, high pressure and more.

✓ Composite material consisting of long glass fiber impregnated with polypropylene (PP) resin.

✓ Produced with patented Advantex® corrosion-resistant E-CR glass.

✓ Glass Master Batch (GMB) consisting of 70% glass fiber, which can be diluted with PP resin as per product requirements.

Product Benefits



Optimized Cost

- Offering an increased degree of freedom in the design of molded products.



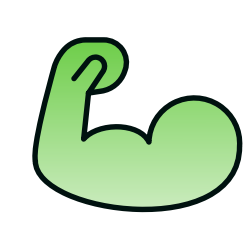
Consistent Quality

- High-density consistency enabling greater part quality control.



Higher Performance

- Optimizing glass fiber pellets and master batch to ensure quality.

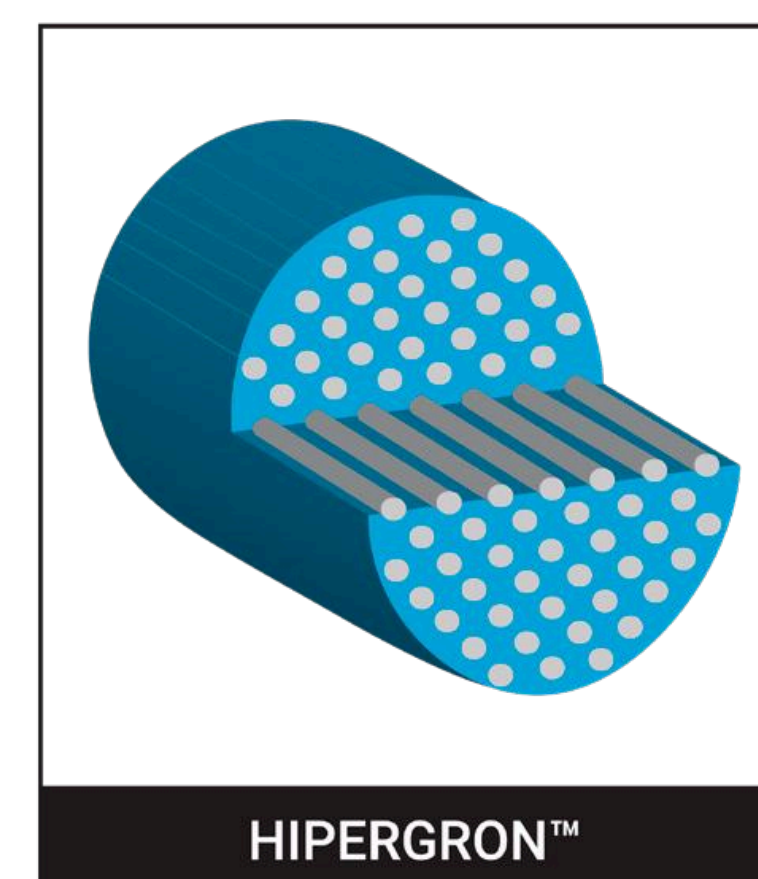


Higher Residual Fiber Length

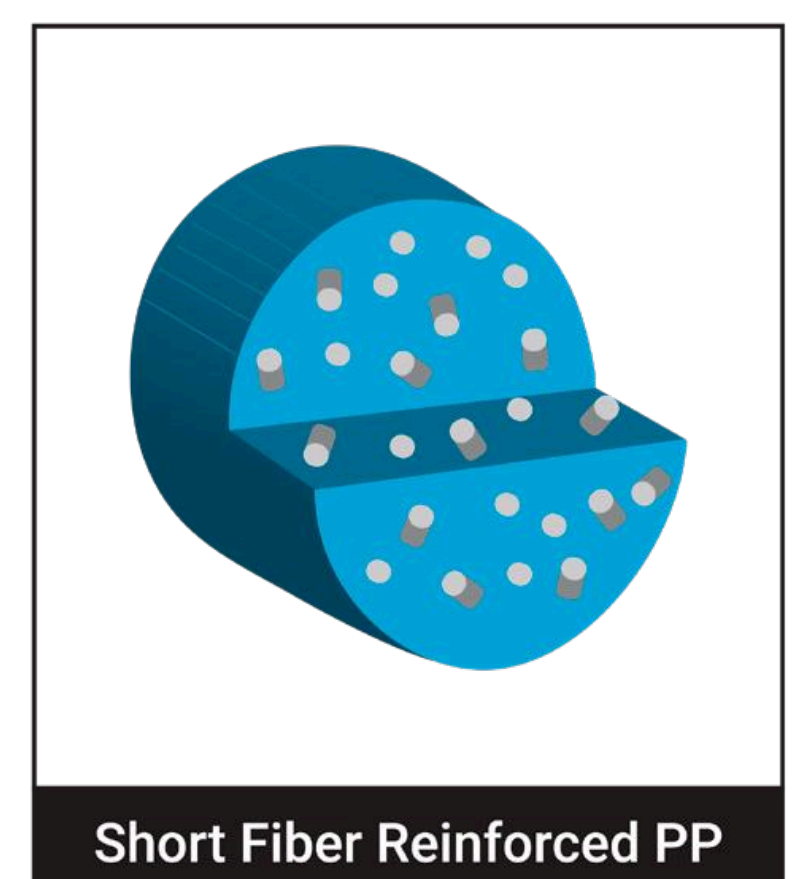
- Ensuring strength and durability in injection molded parts.

Application

HIPERGRON® LP pellets are specifically designed to be used in thermoplastic injection molding applications where strength is a priority, including household appliances, power tools, hand tools, and more. In addition, they are suitable for use in automobile components that require lighter weight.



HIPERGRON™



Short Fiber Reinforced PP

Technical Characteristics

PROPERTIES	TEST METHOD	UNIT	GLASS CONTENT (WT. %)				
			10	20	30	40	50
Specific Gravity	ISO1183	—	0.96	1.04	1.12	1.22	1.32
Tensile Stress at Break	ISO527	MPa	78	111	133	153	155
Flexural Modulus of Elasticity	ISO178	MPa	3,100	4,800	6,600	8,900	12,100
Flexural Strength	ISO178	MPa	110	162	192	224	246
Charpy Impact Strength (V-notch)	ISO179	kJ/m²	13	52	33	38	35

- The data are representative values of measured values obtained under specific conditions by diluting and blending LP7000L5.
- The contents of this document are subject to change without notice for improvement.

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Availability

PRODUCT NAME	GLASS CONTENT (%)	PELLET LENGTH (MM)	LOCATION
HIPERGRON® LP	70	5	Taloja

Diluted batches may be available on request. Please contact your technical representative for details.

Packaging

Material is available in 1,000 kg bulk bags and 25 kg individual bags. Please contact Customer Service and Sales for more information.

Labeling

Each individual package label contains information regarding product name, production date, and production plant.

Storage

LFTP products should be stored in a cool, dry area, and they must remain in their original packaging until the point of use. The product should be transferred to the workshop in its original packaging 48 hours before use to allow it to acclimate to the workshop’s environmental conditions. This is necessary to prevent condensation, especially in colder temperatures. The packaging is not waterproof. Be sure to protect the product from the weather and water sources. There is no known shelf life to the product when stored properly, but retesting is advised after three years from the initial production date to ensure optimum performance.

MAKE
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POSSIBLE™

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