Polypropylene-Glass Fiber Compound

Description

Polypropylene-Glass Fiber compound is a widely and extensively used polypropylene (PP) blend in various industries. This composite is precisely crafted by incorporating glass fibers into a polypropylene base, resulting in enhanced mechanical properties. By integrating glass fibers into PP-based composites, a balanced blend of performance and cost-effectiveness is achieved.

Applications

- Home appliances
- Automotive industry
- Electrical industry
- Construction industry
- Pipe industry

Features

- High mechanical strength and modulus
- Excellent heat resistance and dimensional stability
- Exceptional creep resistance
- Resistance to corrosion from detergents and chemicals

Physical Properties **Property**	**Typical Value** **Data should not be used for specification work**	**Test Method**
Density	1.08 g/cm^3	ISO 1183
Melt Flow Rate (320 °C/2.16 kg)	10-13 g/10min	ISO 1133
Glass Fiber Content	21.5 %	ASTM D1603
Tensile Strength at Yield (MD/TD)	z 50 MPa	ISO 527
Tensile Strength at Break (MD/TD)	a 50 MPa	ISO 527
Impact	z 17 kJ/m*	ISO 179-1

Processing Techniques

Considering that the production process of this product is carried out in two forms, injection and extrusion, the temperature and pressure conditions of each device can be controlled for the final product.

Packaging

Package options: 25kg bags and jumbo bags (1-1.25 MT)

Storage

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and/or high humidity as this could well speed up alteration and consequently loss of quality of the material and/or its packaging. Keep material completely dry for good processing.
More information on storage is found in the Safety data sheet (SDS) for this product.

Safety

Check and follow local codes and regulations!
Please see our Safety Data Sheet for details on various aspects of safety, recovery and disposal of the product. For more information, please contact our Sales Team.