

PRODUCT DATA SHEET



AGILENE30GF NATURAL

Product Description

PBT - Glass reinforced, 30%

Product Applications

Electronics & Electrical , Automotive etc.

General

- Forms - Pellets
- Appearance/Color - NATURAL
- Processing Method - Injection molding

Physical	Typical Value	Unit	Test Method
Specific Gravity	1.55		ASTM D -792

Mechanical	Typical Value	Unit	Test Method
Tensile Strength	130	Mpa	ASTM D-638
Elongation at Yield	4.5	%	ASTM D-638
Elongation at Break	5	%	ASTM D-638
Flexural strength	185	MPa	ASTM D-790
Flexural Modulus	10000	MPa	ASTM D-790
Notched Izod Impact strength	70	j/m	ASTM D-256A



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Thermal	Typical Value	Unit	Test Method
Temperature of deflection under load (1.8 MPa)	200	°C	ASTM D -648

Drying conditions

It is recommended to pre dry PBT granules at 90-100 °C for 3-4 Hrs.
Moisture content after drying should be <0.2%.
Avoid sudden cooling of dry pellet.

Injection Molding conditions (°C)

Feed Zone	Centre	Nozzle	Melt	Mould
235-240	250-260	250-260	240-250	90-110

Note

All Properties measured at 23 Deg. / 50% RH on dry-as-moulded test specimens. Only typical data for material selection purposes only. Users have to establish material suitability. The information & data presented herein are to the best of our knowledge. No warranty or guarantee expressed or implied is made regarding performance. The information and data are subject to change without prior intimation based on research and development work undertaken by the company.

Plant

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