

PRODUCT DATA SHEET



AGILON15GF

Product Description

Polyamide 6 - Glass reinforced, 15%

Product Applications

Automotive, Electronics & Electrical ,Furniture

General

- Filler/Reinforcement - Glass fibre
- Forms - Pellets
- Appearance/Color - Black
- Processing Method - Injection molding

Physical	Typical Value	Unit	Test Method
Specific Gravity	1.23		ASTM D- 792
Filler Content	15	%	In house

Mechanical	DAM	Unit	Test Method
Tensile Strength	85	Mpa	ASTM D-638
Elongation at Yield	4	%	ASTM D-638
Elongation at Break	4.5	%	ASTM D-638
Flexural strength	115	MPa	ASTM D-790
Flexural Modulus	4500	MPa	ASTM D-790
Notched Izod Impact strength	65	J/M	ASTM D-256A



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Drying conditions

It is recommended to pre dry Nylon granules at 80-100 °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
230-240	235-250	235-250	240-255	60-80

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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