

PRODUCT DATA SHEET



AGILON35GF-H

Product Description

Polyamide 6 - Glass reinforced, 35%

Product Applications

Automotive, Electronics & Electrical, Furniture.

General

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

Physical	Typical Value	Unit	Test Method
Specific Gravity	1.43		ASTM D -792

Mechanical	DAM	Unit	Test Method
Tensile Strength	130	Mpa	ASTM D-638
Elongation at Break	5.5	%	ASTM D-638
Flexural strength	200	MPa	ASTM D-790
Flexural Modulus	10000	MPa	ASTM D-790
Notched Izod Impact strength	12	Kg.cm/cm	ASTM D-256A



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Thermal	DAM	Unit	Test Method
Melting Temperature	220	°C	ISO11357-1/-3

Drying conditions

It is recommended to pre dry Nylon granules at 85-100 °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	235-255	235-260	240-265	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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