

PRODUCT DATA SHEET



AGILON050G

Product Description

Polyamide 6 - Unfilled

Product Applications

Electronics & Electrical ,Furniture ,Compounding etc.

General

Filler/Reinforcement - ----
Forms - Pellets
Appearance/Color - Black

Physical	Typical Value	Unit	Test Method
Specific Gravity	1.13		ASTM D -792

Mechanical	DAM	Unit	Test Method
Tensile Strength	50	Mpa	ASTM D-638
Elongation at Yield	5	%	ASTM D-638
Elongation at Break	6	%	ASTM D-638
Flexural strength	65	MPa	ASTM D-790
Flexural Modulus	2200	MPa	ASTM D-790
Notched Izod Impact strength	4	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 80-90 °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
230-250	235-250	235-255	240-260	55-80

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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