

PRODUCT DATA SHEET



AGILENE30GF FR GREY

Product Description

PBT - 30 % Glass reinforced and flame retardant

Product Applications

Electronics & Electrical , Automotive etc.

General

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

Physical	Typical Value	Unit	Test Method
Specific Gravity	1.60		ASTM D -792

Mechanical	Typical Value	Unit	Test Method
Tensile Strength	110	Mpa	ASTM D-638
Elongation at Yield	2.5	%	ASTM D-638
Elongation at Break	3	%	ASTM D-638
Flexural strength	175	MPa	ASTM D-790
Flexural Modulus	8000	MPa	ASTM D-790
Notched Izod Impact strength	50	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

Flammability			
Burning Behaviour	V0	Class	UL94
Glow Wire Flammability Index	960	°C	IEC 60695-2-12

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
225-235	240-250	245-255	240-250	80-100

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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