

PC 310 GF BLK POLYCARBONATES



PRODUCT DESCRIPTION

PC 10% Glass filled Black.

FEATURES

- High Stiffness
- Excellent Surface Finish
- Excellent Mechanical Properties.

APPLICATIONS

- Electrical & Electronic

TYPICAL PROPERTIES	Test Method ASTM	UNIT	Typical Values
PHYSICAL PROPERTIES			
Density	D-792	g/cc	1.25 ± 0.02
Ash Content / Reinforcement	D-5630	%	10 ± 2
Melt Flow Index	D-1238	g/10min	10
Shrinkage	D-1299	%	0.5 - 0.8
MECHANICAL PROPERTIES			
Tensile Strength Yield	D-638	MPa	70
Elongation Break	D-638	%	3
Flexural Strength,	D-790	MPa	100
Flexural Modulus	D-790	MPa	3000
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	7
THERMAL PROPERTIES			
Heat Deflection Temperature - Method B	D-648	°C	120
Vicat Softening Temperature @ 50N	D-1525	°C	NA

Ravago Manufacturing India Pvt Ltd.

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TYPICAL PROPERTIES	Test Method	UNIT	Typical Values
FLAMMABILITY			
Flame Rating	UL 94	-	HB
Glow Wire Testing	EIC 60695-2-12		NA

INJECTION MOLDING CONDITIONS			
Mold Temperature		°C	80 to 90
Rear Temperature		°C	240 to 250
Middle Temperature		°C	250 to 260
Front Temperature		°C	260 to 270
Nozzle Temperature		°C	270 to 280

Drying Conditions

It is not necessary to pre-dry this material but in the event of moisture accumulation or evidence of splay, the material can be dried for 2-3 hours at 90 - 100°C.

HANDLING AND STORAGE

Handling: Maintain good housekeeping. Spilled materials may create a slipping hazard. Remove dust from settling areas to prevent any secondary potential dust explosion or fire hazards. Electrostatic charge may build up during handling. Grounding of equipment is recommended.

Storage: Store in a dry place and away from direct sunlight or heat sources.

NOTE: Possible presence of metallic particles < 0.8 mm.

DISPOSAL CONSIDERATIONS

Disposal Method: It must be disposed of in accordance with Federal, State and local environmental control regulations.

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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