

# PC 030GF BLK POLYCARBONATES



## PRODUCT DESCRIPTION

PC 30% Glass filled Black

## FEATURES

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

## APPLICATIONS

- Electrical & Electronic

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.43
Melt Flow Index	D-1238	g/10min	14
Shrinkage	D-1299	%	0.5 - 0.8
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Y	D-638	MPa	130
Elongation Break	D-638	%	3
Flexural Strength,	D-790	MPa	190
Flexural Modulus	D-790	MPa	7000
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	12
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature - Method B	D-648	°C	150
Vicat Softening Temperature @ 50N	D-1525	°C	NA

## Ravago Manufacturing India Pvt Ltd.

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TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>FLAMMABILITY</b>			
Flame Rating	UL 94	-	HB
Glow Wire Testing	IEC 60695-2-12		NA

<b>INJECTION MOLDING CONDITIONS</b>			
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**

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.

### **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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