

# PC 100 UF FR GY 162

## POLYCARBONATES



### PRODUCT DESCRIPTION

PC Unfilled FR Grey

### FEATURES

- Improved Impact Strength
- Excellent Surface Finish
- Excellent Mechanical
- Flame Retardant

### APPLICATIONS

- Electrical & Electronic

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>PHYSICAL PROPERTIES</b>			
Density	D-792	g/cc	1.19
Melt Flow Index	D-1238	g/10min	12
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength Yield	D-638	MPa	60
Elongation Break	D-638	%	15
Flexural Strength	D-790	MPa	90
Flexural Modulus	D-790	MPa	2100
Impact Strength (IZOD Notched)	D-256	Kg cm/cm	60
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature - Method B	D-648	°C	≥ 105
Vicat Softening Temperature @ 50N	D-1525	°C	≥ 120

## Ravago Manufacturing India Pvt Ltd.

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TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
<b>FLAMMABILITY</b>			
Flame Rating @ 1.6 mm	UL 94	-	V0
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

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.

### 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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