

# ENVIROPLAS® ENV08-NC460

Polybutylene Terephthalate

ENVIROPLAS®, Inc.

## Message:

Injection Molding Grade, 30% Fiberglass Reinforced, Flame Retardant,  
Good Chemical and Heat Resistance, RoHS Compliant  
NC460 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.  
The ENV08 Series Products Are Available With Mold Release and/or UV Stabilizer.  
Contact Enviropas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Chemical Resistance		
	High Heat Resistance		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Ash Content	30	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	95.8	MPa	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	193	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating			Internal Method
1.50 mm	V-0		
3.00 mm	5VA		
Injection	Nominal Value	Unit	

Drying Temperature	121	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	243 to 260	°C
Middle Temperature	249 to 271	°C
Front Temperature	254 to 277	°C
Nozzle Temperature	249 to 271	°C
Mold Temperature	65.6 to 87.8	°C
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	50 to 80	rpm

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#### Recommended distributors for this material

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