

ENVIROPLAS® ENV08-NC770

Polybutylene Terephthalate

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, 30% Fiberglass Reinforced, Good Rigidity and Toughness, Excellent Processability, Good Chemical Resistance, Good Dimensional Stability and Heat Resistance, RoHS Compliant
NC770 = 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 Enviroplas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Good Toughness		
	High Heat Resistance		
	High Rigidity		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	123	MPa	ASTM D638
Flexural Modulus	7240	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	199	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	Internal Method	

Injection	Nominal Value	Unit
Drying Temperature	98.9 to 110	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	238 to 254	°C
Middle Temperature	243 to 260	°C
Front Temperature	249 to 266	°C
Nozzle Temperature	243 to 260	°C
Mold Temperature	65.6 to 93.3	°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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