

ENVIRON® ENV39-NC500

Polycarbonate + PBT

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, 30% Fiberglass Reinforced, Low Warpage, Excellent Mechanical and Thermal Performance, RoHS Compliant

NC500 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

The ENV39 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		
Features	Low Warpage		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Ash Content	30	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	110	MPa	ASTM D638
Flexural Modulus	7240	MPa	ASTM D790
Flexural Strength	177	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	207	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	121	°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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