

# ENVIROPLAS® ENV12-NC120

Polycarbonate

ENVIROPLAS®, Inc.

## Message:

Injection Molding Grade, RoHS Compliant

NC120 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

The ENV12 Series Products Are Available With Mold Release and/or UV Stabilizer.

Contact Enviroplas Regarding UL Recognized Versions Of This Product.

General Information			
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.7	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	91.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	129	°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	271 to 293	°C	
Middle Temperature	271 to 293	°C	
Front Temperature	293 to 316	°C	
Nozzle Temperature	288 to 310	°C	
Mold Temperature	68.3 to 93.3	°C	

Injection Rate	Moderate-Fast	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm

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Recommended distributors for this material

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