

ENVIROPLAS® ENV12-NC110

Polycarbonate

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, High Flow For Small Complex Parts, RoHS Compliant
NC110 = 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			
Features	High Flow		
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 ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.7	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2310	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	690	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)	V-2		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	260 to 274	°C	
Middle Temperature	266 to 288	°C	
Front Temperature	277 to 299	°C	
Nozzle Temperature	271 to 291	°C	

Processing (Melt) Temp	277 to 299	°C
Mold Temperature	76.7 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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