

ENVIROPLAS® ENV12-NC140

Polycarbonate
ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Flame Retardant, RoHS Compliant
NC130 = To Be Assigned 5 Digit Number Indicating Opaque Natural, Black, or Opaque 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			
Additive	Flame Retardant		
Features	Flame Retardant		
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)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	61.4	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2240	MPa	ASTM D790
Flexural Strength	91.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	132	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			Internal Method
1.50 mm	V-0		
	V-0		
3.00 mm	5VA		
Injection	Nominal Value	Unit	

Drying Temperature	110	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.050	%
Rear Temperature	260 to 282	°C
Middle Temperature	271 to 293	°C
Front Temperature	282 to 304	°C
Nozzle Temperature	288 to 316	°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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