

ENVIROLOY® ENV15-NC350

Polycarbonate + ABS

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade for Plating Applications, Excellent Flow and Impact Performance, RoHS Compliant

NC350 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

The ENV15 Series Products Are Available with UV Stabilizer.

Contact Enviroplas Regarding UL Recognized Versions Of This Product.

General Information			
Features	Good Flow		
	Good Impact Resistance		
	Platable		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	50.3	MPa	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	116	°C	
1.8 MPa, Unannealed	98.9	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	102	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.040	%	

Rear Temperature	249 to 282	°C
Middle Temperature	254 to 288	°C
Front Temperature	254 to 288	°C
Nozzle Temperature	260 to 288	°C
Mold Temperature	76.7 to 98.9	°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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