

# ENVIROLOY® ENV15-NC320

Polycarbonate + ABS

ENVIROPLAS®, Inc.

## Message:

Injection Molding Grade, High Flow, Good Low Temperature Impact, RoHS Compliant

NC320 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

The ENV15 Series Products Are Available With Mold Release and/or UV Stabilizer.

General Information			
Features	High Flow		
	Low Temperature Impact Resistance		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	52.4	MPa	ASTM D638
Flexural Modulus	2360	MPa	ASTM D790
Flexural Strength	90.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	320	J/m	
23°C	530	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	121	°C	
1.8 MPa, Unannealed	98.9	°C	
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 90	mm/min	FMVSS 302
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.050	%	

Rear Temperature	249 to 266	°C
Middle Temperature	260 to 271	°C
Front Temperature	266 to 277	°C
Nozzle Temperature	271 to 282	°C
Mold Temperature	65.6 to 87.8	°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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