

# ENVIROLOY® ENV15-NC260

Polycarbonate + ABS

ENVIROPLAS®, Inc.

## Message:

Injection Molding Grade, High Flow, Heat Stabilized, Hydrolytically Stable, RoHS Compliant

NC260 = 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			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Flow		
	Hydrolytically Stable		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	22	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	54.5	MPa	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	80.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	320	J/m	
23°C	640	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	122	°C	
1.8 MPa, Unannealed	103	°C	
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	3.0 to 4.0	hr	

Suggested Max Moisture	0.050	%
Rear Temperature	238 to 266	°C
Middle Temperature	249 to 288	°C
Front Temperature	249 to 288	°C
Nozzle Temperature	249 to 271	°C
Mold Temperature	60.0 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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