

# ENVIROCLEAR® ENV24-NC850

Copolyester

ENVIROPLAS®, Inc.

## Message:

Injection Molding Grade, High Clarity in Natural or Light Tints, BPA Free, Excellent Impact Toughness, Good Mold Release, Hydrolytically Stable, Good Chemical and Heat Resistance, FDA Food Contact/REACH/RoHS 2 Compliant

NC060 = To Be Assigned 5 Digit Number Indicating Natural, FDA Black or Custom Color.

The ENV17 Series Products Are Available With Mold Release.

General Information			
Features	BPA Free Good Chemical Resistance Good Impact Resistance Good Mold Release Good Strength Good Toughness High Clarity Hydrolytically Stable Medium Heat Resistance		
Agency Ratings	EC 1907/2006 (REACH) FDA Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Appearance	Black Colors Available Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	42.7	MPa	ASTM D638
Tensile Elongation (Break)	> 200	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Flexural Strength	58.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	960	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	260 to 282	°C	
Middle Temperature	266 to 288	°C	
Front Temperature	266 to 288	°C	
Nozzle Temperature	260 to 282	°C	
Mold Temperature	43.3 to 65.6	°C	
Injection Rate	Moderate		
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	50 to 80	rpm	

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#### Recommended distributors for this material

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