

# ENVIROLEX™ ENV36-NC890

Polycarbonate + PET  
ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Impact Modified, Enhanced Flow, w/Mold Release, UV Stabilized for Outdoor Exposure, Good Chemical Resistance, Impact and Dimensional Stability, REACH/RoHS 2 Compliant  
NC890 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.  
Contact Enviropas Regarding UL Recognized Versions Of This Product.

General Information			
Additive	Impact Modifier		
	Mold Release		
	UV Stabilizer		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Flow		
	Good Impact Resistance		
	Good Mold Release		
	Good UV Resistance		
	Impact Modified		
Uses	Outdoor Applications		
Agency Ratings	EC 1907/2007 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (266°C/5.0 kg)	40	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.80 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	58.6	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	2320	MPa	ASTM D790
Flexural Strength	86.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	760	J/m	ASTM D256
Gardner Impact (23°C)	51.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	108	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	185	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	249 to 271	°C	
Middle Temperature	249 to 271	°C	
Front Temperature	260 to 282	°C	
Nozzle Temperature	249 to 271	°C	
Mold Temperature	65.6 to 82.2	°C	
Injection Rate	Moderate		
Back Pressure	0.345 to 0.552	MPa	
Screw Speed	50 to 80	rpm	

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#### Recommended distributors for this material

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