

# ENVIRON® ENV39-NC430

Polycarbonate + PBT

ENVIROPLAS®, Inc.

## Message:

Injection Molding Grade, UV Stabilized, w/Mold Release, Low Temperature Impact and Chemical Resistance, Automotive Exterior and OVAD Applications, RoHS Compliant

NC430 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

General Information			
Additive	Mold Release		
	UV Stabilizer		
Features	Good Chemical Resistance		
	Good Mold Release		
	Good UV Resistance		
	Low Temperature Impact Resistance		
Uses	Automotive Exterior Parts		
	Automotive Under the Hood		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	59.3	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	90.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	210	J/m	
23°C	680	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.6	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	243 to 266	°C	
Middle Temperature	249 to 271	°C	
Front Temperature	254 to 277	°C	
Nozzle Temperature	254 to 277	°C	
Mold Temperature	65.6 to 87.8	°C	
Injection Rate	Moderate-Fast		
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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