

ENVIRON® ENV39-NC800

Polycarbonate + PBT

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, w/Mold Release, Excellent Low Temperature Impact Resistance, Good Chemical Resistance, RoHS Compliant
NC800 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

General Information			
Additive	Mold Release		
Features	Good Chemical Resistance		
	Good Mold Release		
	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	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.80 to 1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	45.5	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2010	MPa	ASTM D790
Flexural Strength	71.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	530	J/m	
23°C	650	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	73.9	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	238 to 254	°C	

Middle Temperature	243 to 260	°C
Front Temperature	249 to 271	°C
Nozzle Temperature	249 to 271	°C
Mold Temperature	65.6 to 87.8	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.00 to 0.345	MPa
Screw Speed	50 to 80	rpm

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Recommended distributors for this material

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