

ENVIRON® ENV39-NC480

Polycarbonate + PBT

ENVIROPLAS®, Inc.

Message:

Foamable - Injection Molding Grade, 7.5 % Fiberglass Reinforced, Good Chemical and Heat Resistance, RoHS Compliant.

NC480 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Limited Available Custom Color.

Contact Enviroplas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass Fiber,7.5% Filler by Weight		
Features	Foamable Good Chemical Resistance High Heat 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	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Ash Content	7.5	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	49.0	MPa	ASTM D638
Flexural Modulus	3140	MPa	ASTM D790
Flexural Strength	77.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	188	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		Internal Method
Injection	Nominal Value	Unit	Test Method
Drying Temperature	104	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	227 to 243	°C	
Middle Temperature	232 to 249	°C	

Front Temperature	238 to 254	°C
Nozzle Temperature	232 to 249	°C
Mold Temperature	48.9 to 71.1	°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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