

ENVIROPLAS® ENV13-NC820

Polycarbonate

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, 30% Fiberglass Reinforced, Flame Retardant, w/Mold Release, Increased Toughness, High Heat Resistance

NC820 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

The ENV13 Series Products Are Available With Added UV Stabilizer.

Contact Enviropas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	Mold Release		
	UV Stabilizer		
Features	Flame Retardant		
	Good Mold Release		
	Good Toughness		
	Good UV 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	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Ash Content	30	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	100	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	6650	MPa	ASTM D790
Flexural Strength	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	143	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-2		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	260 to 282	°C	
Middle Temperature	271 to 304	°C	
Front Temperature	271 to 304	°C	
Nozzle Temperature	238 to 260	°C	
Mold Temperature	82.2 to 104	°C	
Back Pressure	0.00 to 0.345	MPa	
Screw Speed	40 to 70	rpm	

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Recommended distributors for this material

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