

ENVIRON® ENV39-NC510

Polycarbonate + PBT

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, 30% Fiberglass Reinforced, Flame Retardant, Impact-Modified for Improved Toughness and Ductility, RoHS Compliant

NC510 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

The ENV39 Series Products Are Available With Mold Release and/or UV Stabilizer.

Contact Enviropas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	Impact Modifier		
Features	Ductile		
	Flame Retardant		
	Good Toughness		
	Impact Modified		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.60	%	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	162	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	91	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	157	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating		Internal Method
1.50 mm	V-0	
3.00 mm	5VA	
Injection	Nominal Value	Unit
Drying Temperature	121	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	249 to 271	°C
Middle Temperature	254 to 277	°C
Front Temperature	260 to 282	°C
Nozzle Temperature	254 to 277	°C
Mold Temperature	65.6 to 87.8	°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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