

ENVIROLOY® ENV15-NC540

Polycarbonate + ABS

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, 20% Fiberglass Reinforced, RoHS Compliant

NC540 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

The ENV15 Series Products Are Available With Mold Release and/or UV Stabilizer.

Contact Enviroplas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Ash Content	20	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	75.8	MPa	ASTM D638
Flexural Modulus	5870	MPa	ASTM D790
Flexural Strength	121	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	< 132	°C	
1.8 MPa, Unannealed	117	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	238 to 260	°C	
Middle Temperature	243 to 271	°C	

Front Temperature	249 to 277	°C
Nozzle Temperature	243 to 271	°C
Mold Temperature	76.7 to 98.9	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm

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Recommended distributors for this material

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