

ENVIROLOY® ENV15-NC250

Polycarbonate + ABS

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Low Viscosity, High Impact Resistance, RoHS Compliant

NC250 = To Be Assigned 5 Digit Number Indicating Opaque Natural, Black, or Opaque Custom Color.

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

General Information			
Features	High Impact Resistance		
	Low Viscosity		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	56.5	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2320	MPa	ASTM D790
Flexural Strength	85.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	121	°C	
1.8 MPa, Unannealed	107	°C	
Injection	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	260 to 288	°C	
Middle Temperature	271 to 299	°C	
Front Temperature	271 to 299	°C	

Nozzle Temperature	266 to 293	°C
Mold Temperature	60.0 to 82.2	°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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