

# ENVIROPLAS® ENV00-NC010

Acrylonitrile Butadiene Styrene

ENVIROPLAS®, Inc.

Message:

Injection Molding - Plating Grade, Gray, Excellent Adhesion, RoHS Compliant

General Information			
Features	Good Adhesion		
	Platable		
RoHS Compliance	RoHS Compliant		
Appearance	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	38.6	MPa	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	54.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	260	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	86.1	°C	ASTM D648
Vicat Softening Temperature	96.1	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	227 to 249	°C	
Middle Temperature	232 to 249	°C	
Front Temperature	232 to 249	°C	
Nozzle Temperature	227 to 249	°C	
Mold Temperature	40.6 to 76.7	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.965 to 1.24	MPa	
Screw Speed	30 to 80	rpm	

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Recommended distributors for this material

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