

ENVIROSUN® ENV31-NC730

Acrylonitrile Styrene Acrylate

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, High Impact, Uses Include Electrical/Electronic Applications, RoHS Compliant

NC730 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

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

General Information			
Features	High Impact Resistance		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Flexural Modulus	1800	MPa	ASTM D790
Flexural Strength	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	400	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.2	°C	ASTM D648
Vicat Softening Temperature	93.3	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	199 to 221	°C	
Middle Temperature	199 to 221	°C	
Front Temperature	221 to 232	°C	
Nozzle Temperature	227 to 238	°C	
Mold Temperature	43.3 to 79.4	°C	

Injection Rate	Moderate	
Back Pressure	0.483 to 1.03	MPa
Screw Speed	40 to 70	rpm

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Recommended distributors for this material

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