

ENVIROSUN® ENV31-NC070

Acrylonitrile Styrene Acrylate

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, High Heat Resistance, Superior Weather Resistance, High Flow, RoHS Compliant
NC070 = 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	Good Weather Resistance		
	High Flow		
	High Heat Resistance		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	42.7	MPa	ASTM D638
Flexural Modulus	2190	MPa	ASTM D790
Flexural Strength	63.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	Internal Method	
Injection	Nominal Value	Unit	
Drying Temperature	95.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	199 to 218	°C	

Middle Temperature	218 to 229	°C
Front Temperature	232 to 241	°C
Nozzle Temperature	232 to 241	°C
Mold Temperature	40.6 to 76.7	°C
Injection Rate	Moderate-Fast	
Back Pressure	1.03 to 2.00	MPa
Screw Speed	50 to 90	rpm

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Recommended distributors for this material

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