

ENVIROSUN® ENV31-NC080

Acrylonitrile Styrene Acrylate

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Superior Weather Resistance, High Flow, High Impact, RoHS Compliant

NC080 = 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		
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)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	46.0	MPa	ASTM D638
Flexural Modulus	1960	MPa	ASTM D790
Flexural Strength	61.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.8	°C	ASTM D648
Vicat Softening Temperature	96.1	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	238 to 277	°C	
Middle Temperature	238 to 277	°C	
Front Temperature	238 to 277	°C	
Nozzle Temperature	238 to 277	°C	

Mold Temperature	37.8 to 73.9	°C
Injection Rate	Moderate	
Back Pressure	0.483 to 1.03	MPa
Screw Speed	40 to 70	rpm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

