

ENVIROSUN® ENV32-NC780

Acrylonitrile Styrene Acrylate + PC

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Flame Retardant, Good Weather Resistance - UV Stabilized,
High Flow for Thin Part Fill, Good Impact Resistance, RoHS Compliant.

NC780 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.

The ENVIROSUN™ Series Products Are Available With Mold Release.

Contact Enviropas Regarding UL Recognized Versions Of This Product.

General Information			
Additive	Flame Retardant UV Stabilizer		
Features	Flame Retardant Good Weather Resistance High Flow High Impact 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	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	11	g/10 min	
260°C/5.0 kg	38	g/10 min	
Molding Shrinkage - Flow	0.60 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	54.5	MPa	ASTM D638
Tensile Elongation (Break)	90	%	ASTM D638
Flexural Modulus	2390	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	590	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		Internal Method
1.50 mm	V-0	
3.00 mm	5VA	
Injection	Nominal Value	Unit
Drying Temperature	98.9	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	227 to 249	°C
Middle Temperature	238 to 249	°C
Front Temperature	249 to 271	°C
Nozzle Temperature	260 to 282	°C
Mold Temperature	54.4 to 73.9	°C
Injection Rate	Moderate	
Back Pressure	0.345 to 1.03	MPa
Screw Speed	30 to 70	rpm

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WECHAT