

ENVIROPLAS® ENV26-NC880

Acrylonitrile Styrene Copolymer

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Black, 20% Fiberglass Reinforced, Excellent Combined Stiffness and Toughness, UV Stabilized for Outdoor Weatherability, w/Mold Release, REACH/RoHS 2 Compliant

No Colorant Version, NC880 = To Be Assigned 5 Digit Code Indicating Natural, Black, or Custom Color

The ENV26 Series of Products Are Available With or Without Mold Release, UV Stabilizer or Special Use Additives

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Mold Release		
	UV Stabilizer		
Features	Good Mold Release		
	Good Stiffness		
	Good Toughness		
	Good UV Resistance		
	Good Weather Resistance		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	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	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	112	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	7930	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648

Injection	Nominal Value	Unit
Drying Temperature	85.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	221 to 243	°C
Middle Temperature	221 to 243	°C
Front Temperature	227 to 249	°C
Nozzle Temperature	221 to 243	°C
Mold Temperature	43.3 to 60.0	°C
Injection Rate	Moderate	
Back Pressure	0.345 to 6.89	MPa
Screw Speed	40 to 70	rpm

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