

ENVIROLOY® ENV15-NC380

Polycarbonate + ABS

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Non-Halogenated - Non-Chlorinated Flame Retardant,
High Flow, Hydrolytically Stable, RoHS Compliant
NC380 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.
The ENV15 Series Products Are Available With Mold Release and/or UV Stabilizer.
Contact Enviroplas Regarding UL Recognized Versions Of This Product.

General Information			
Additive	Flame Retardant		
Features	Chlorine Free		
	Flame Retardant		
	Halogen Free		
	High Flow		
	Hydrolytically Stable		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
260°C/2.16 kg	22	g/10 min	
260°C/5.0 kg	48	g/10 min	
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	61.4	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2380	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.6	°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	82.2	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.050	%
Rear Temperature	227 to 260	°C
Middle Temperature	227 to 266	°C
Front Temperature	243 to 277	°C
Nozzle Temperature	243 to 277	°C
Mold Temperature	60.0 to 82.2	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm

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Recommended distributors for this material

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