

AuroraTec™ ENV36-NC890

 Aurora Material Solutions, LLC - *Polycarbonate + PET*
General Information
Product Description

Injection Molding Grade, Impact Modified, Enhanced Flow, w/Mold Release, UV Stabilized for Outdoor Exposure, Good Chemical Resistance, Impact and Dimensional Stability, REACH/RoHS 2 Compliant
 NC890 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Custom Color.
 Contact Enviroplas Regarding UL Recognized Versions Of This Product.

Formerly known as ENVIROLEX™ ENV36-NC890

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Impact Modifier	• Mold Release	• UV Stabilizer
Features	• Chemical Resistant	• Good Impact Resistance	• UV Resistant
	• Good Dimensional Stability	• Good Mold Release	
	• Good Flow	• Impact Modified	
Uses	• Outdoor Applications		
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Colors Available	• Natural Color
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) (266°C/5.0 kg)	40	g/10 min	ASTM D1238
Molding Shrinkage - Flow	8.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8500	psi	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	336000	psi	ASTM D790
Flexural Strength	12600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	14	ft·lb/in	ASTM D256
Gardner Impact (73°F)	451	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	226	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	185	°F
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	480 to 520	°F
Middle Temperature	480 to 520	°F
Front Temperature	500 to 540	°F
Nozzle Temperature	480 to 520	°F
Mold Temperature	150 to 180	°F
Injection Rate	Moderate	



Back Pressure	50.0 to 80.0 psi
Screw Speed	50 to 80 rpm

Notes

¹ Typical properties: these are not to be construed as specifications.

