

ENVIROPLAS® ENV00-NC650

Acrylonitrile Butadiene Styrene

ENVIROPLAS®, Inc.

Message:

Extrusion and Injection Molding Grade, Natural, Medium Gloss, FDA Compliant, Reach/RoHS Compliant

General Information	
Features	Medium Gloss
Agency Ratings	EC 1907/2006 (REACH)
	FDA Unspecified Rating
RoHS Compliance	RoHS Compliant
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	65.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.9	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	235 to 249	°C	
Middle Temperature	241 to 254	°C	
Front Temperature	246 to 260	°C	
Nozzle Temperature	246 to 274	°C	

Mold Temperature	43.3 to 65.6	°C
Injection Rate	Fast	
Back Pressure	0.00 to 0.172	MPa
Screw Speed	Moderate	

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Recommended distributors for this material

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