

ENVIROPLAS® ENV00-NC660

Acrylonitrile Butadiene Styrene

ENVIROPLAS®, Inc.

Message:

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

General Information			
Features	Medium Flow		
	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)	4.0	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)	370	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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