

ENVIROPLAS® ENV01-NC560

Acrylonitrile Butadiene Styrene

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Transparent - High Clarity, Excellent Processability, BPA Free, RoHS Compliant

General Information			
Features	Good Processability		
	High Clarity		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	25	g/10 min	
230°C/3.8 kg	10	g/10 min	
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	47.6	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.2	°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	188 to 210	°C	
Middle Temperature	199 to 221	°C	
Front Temperature	210 to 227	°C	
Nozzle Temperature	210 to 227	°C	
Mold Temperature	48.9 to 71.1	°C	
Injection Rate	Moderate-Fast		

Back Pressure	0.345 to 0.689	MPa
Screw Speed	30 to 60	rpm

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Recommended distributors for this material

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