

# ENVIROPLAS® ENV08-NC640

Polybutylene Terephthalate

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, Natural, Good Chemical/Solvent/Fuel/Oil Resistance, Good Wear and Weather Resistance, High Heat Resistance, Good Moldability

General Information			
Features	Fuel Resistant		
	Good Chemical Resistance		
	Good Moldability		
	Good Wear Resistance		
	Good Weather Resistance		
	High Heat Resistance		
	Oil Resistant		
	Solvent Resistant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	46	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.12 to 0.18	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	55.2	MPa	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	155	°C	
1.8 MPa, Unannealed	60.0	°C	
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	Internal Method	
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	229 to 254	°C	

Middle Temperature	229 to 254	°C
Front Temperature	229 to 254	°C
Nozzle Temperature	243 to 254	°C
Mold Temperature	65.6 to 87.8	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.00 to 0.345	MPa
Screw Speed	60 to 120	rpm

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#### Recommended distributors for this material

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