

Aegis® CSDE Generation II

Polyamide
Honeywell

Message:

Aegis ® CSDE Generation II PFX 07-08 is an injection moldable barrier nylon resin for use in multi-layer PET container applications where enhanced shelf life, transparency and delamination resistance are desired. Aegis CSDE has a good carbon dioxide barrier and is particularly useful for carbonated soft drink applications.

General Information			
Features	Definition, high Barrier resin		
Uses	Container		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ASTM D1505
Apparent Density	0.73	g/cm ³	ISO 60
Films	Nominal Value	Unit	Test Method
Carbon Dioxide Transmission Rate (23°C, 80% RH)	46.5	cm ³ /m ² /24 hr	ASTM D1434
Oxygen Transmission Rate (23°C, 80% RH)	16	cm ³ /m ² /24 hr	ASTM D3985
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	69.0	°C	DSC
Peak Crystallization Temperature (DSC)	220	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 80.0	°C	
Rear Temperature	245	°C	
Middle Temperature	265	°C	
Front Temperature	265	°C	
Nozzle Temperature	265	°C	
Injection instructions			
Feed Zone: 35°CManifold: 265 to 280°C			

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