

Eastman CB12 PET (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

Material Notes:

Voridian CB12 polymer is a polyethylene terephthalate resin designed specifically for the carbonated soft drink (CSD) and other beverage markets. CB12 delivers fast, efficient processing and good overall bottle properties. This polymer is formulated to provide improved efficiencies in preform and bottle production while delivering a robust processing window. Bottles made with CB12 deliver improved barrier with continued excellent performance in creep and environmental stress-crack resistance. The pellets have a weight of 2.0g/100pellets

Applications/Uses: Bottles, Carbonated soft drink containers

Key Attributes: Excellent performance in stress-crack resistance, Fast, efficient processing, Improved barrier, Robust processing window

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-CB12-PET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.810 g/cc	0.0293 lb/in ³	Poured (Mexico Produced); ASTM D1895
	0.845 g/cc	0.0305 lb/in ³	Poured (US Produced); ASTM D1895
	0.880 g/cc	0.0318 lb/in ³	Vibrated (Mexico Produced); ASTM D1895
	0.898 g/cc	0.0324 lb/in ³	Vibrated (US Produced); ASTM D1895
Density	1.40 g/cc	0.0506 lb/in ³	Crystalline Density; ASTM D1505
Melt Density	1.20 g/cc	0.0434 lb/in ³	ASTM D1238
	@Temperature 285 °C	@Temperature 545 °F	
Particle Size	2500 µm	2500 µm	Pellet Size
Viscosity Measurement	0.80 - 0.84	0.80 - 0.84	Intrinsic; EMN-A-AC-G-V-1

Thermal Properties	Metric	English	Comments
Heat of Fusion	59.0 J/g	25.4 BTU/lb	ASTM E793
Specific Heat Capacity	1.20 J/g-°C	0.287 BTU/lb-°F	ASTM E1269
	1.40 J/g-°C	0.335 BTU/lb-°F	ASTM E1269
	@Temperature 80.0 °C	@Temperature 176 °F	
	1.50 J/g-°C	0.359 BTU/lb-°F	ASTM E1269
@Temperature 100 °C	@Temperature 212 °F		
	1.90 J/g-°C	0.454 BTU/lb-°F	ASTM E1269
	@Temperature 200 °C	@Temperature 392 °F	

Thermal Properties	Metric g/g-°C	English BTU/lb-°F	Comments ASTM E1269
	@Temperature 280 °C	@Temperature 536 °F	
Melting Point	245 °C	473 °F	Crystalline Peak Melting Point; ASTM D3418

Descriptive Properties	Value	Comments
Acetaldehyde	<3ppm	TEPO-A-AN-G-GC-67
Color, CIE a*	-3.0 to 0.0	VGAS-A-AN-G-RS-001
Color, CIE b*	-1.8 to 1.0	VGAS-A-AN-G-RS-001
Color, CIE L*	76.5 min	VGAS-A-AN-G-RS-001
Fines, wt%, max	0.05	VGAS-A-AN-G-GA-1
Pellet Shape	Cubical	

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