

Eastman CB11E PET (discontinued **)

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

Material Notes:

VORIDIAN PET CB11E is designed specifically for the carbonated soft drink (CSD) and other beverage markets in the European market area. The polymer delivers faster, more efficient processing and better bottle properties. CB11E is formulated to provide improved efficiencies in preform and bottle production while delivering a robust processing window. Bottles made with this polymer deliver improved barrier with continued excellent performance in creep and environmental stress-crack resistance. Applications/Uses Carbonated soft drink containers Beverage Packaging Bottles

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-CB11E-PET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.830 g/cc	0.0300 lb/in ³	Poured; ASTM D1895
	0.880 g/cc	0.0318 lb/in ³	Vibrated; 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	60.0 J/g	25.8 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	
	1.60 J/g-°C	0.382 BTU/lb-°F	ASTM E1269
	@Temperature 100 °C	@Temperature 212 °F	
	2.00 J/g-°C	0.478 BTU/lb-°F	ASTM E1269
	@Temperature 200 °C	@Temperature 392 °F	
	2.30 J/g-°C	0.550 BTU/lb-°F	ASTM E1269
	@Temperature 280 °C	@Temperature 536 °F	
Melting Point	243 °C	469 °F	Crystalline Peak Melting Point; ASTM D3418

Descriptive Properties	Value	Comments
Acetaldehyde	<1ppm	TEPO-A-AN-G-GC-67
Color, CIE a*	-3.16 to -0.16	VGAS-A-AN-G-RS-001
Color, CIE b*	-2.2 to 1.6	VGAS-A-AN-G-RS-001
Color, CIE L*	76.8 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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