

Eastman CA12 PET (discontinued **)

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

Material Notes:

Voridian Polymer CA12 is currently produced to Voridian's specifications and quality requirements by several resin manufacturers located in the Asia Pacific Region. Voridian Polymer CA12 offers improved reheat. It is available in Asia Pacific. This product is useful for production of beverage, food, and edible oil containers and sheet. The pellets have a weight of 2.0g/100 pellets. Applications/Uses: Containers, Food packaging, Beverage Packaging, Edible oil containers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-CA12-PET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.822 g/cc	0.0297 lb/in ³	Poured; ASTM D1895
	0.888 g/cc	0.0321 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	
	1.50 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	
	2.10 J/g-°C	0.502 BTU/lb-°F	ASTM E1269
	@Temperature 280 °C	@Temperature 536 °F	
Melting Point	246 °C	475 °F	Crystalline Peak Melting Point; ASTM D3418

Descriptive Properties	Value	Comments
Acetaldehyde	<1ppm	TEPO-A-AN-G-GC-67
Color, CIE a*	-2.5 to 0.0	VGAS-A-AN-G-RS-001
Color, CIE b*	-2.0 to 1.5	VGAS-A-AN-G-RS-001
Color, CIE L*	75 min	VGAS-A-AN-G-RS-001
Fines, wt%, max	0.05	VCSC-A-AN-G-PTM-10
Pellet Shape	Cubical	

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