

## Eastman A12 PET (discontinued \*\*)

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

### Material Notes:

Voridian Polymer A12 is currently produced to Eastman`s specifications and quality requirements by several resin manufacturers located in the Asia Pacific Region. Voridian Polymer A12 is available in Asia Pacific and Latin America. This product is useful for production of beverage, food, and edible oil containers and sheet. Applications/Uses Bottles Food packaging Packaging Carbonated soft drink containers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eastman-A12-PET-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-A12-PET-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.830 g/cc	0.0300 lb/in <sup>3</sup>	Poured; ASTM D1895
	0.890 g/cc	0.0322 lb/in <sup>3</sup>	Vibrated; ASTM D1895
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	Crystalline Density; ASTM D1505
Melt Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	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	62.0 J/g	26.7 BTU/lb	ASTM E793
Specific Heat Capacity	1.10 J/g-°C	0.263 BTU/lb-°F	ASTM E1269
	1.30 J/g-°C	0.311 BTU/lb-°F	ASTM E1269
	@Temperature 80.0 °C	@Temperature 176 °F	
	1.40 J/g-°C	0.335 BTU/lb-°F	ASTM E1269
	@Temperature 100 °C	@Temperature 212 °F	
1.80 J/g-°C	0.430 BTU/lb-°F	ASTM E1269	
	@Temperature 200 °C	@Temperature 392 °F	
	2.00 J/g-°C	0.478 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
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Acetaldehyde Descriptive Properties	<1 ppm Value	TEPO-A-AN-G-GC-67 Comments
Color, CIE a*	-2.5 to 0.0	VGAS-A-AN-G-RS-001
Color, CIE b*	-1.5 to 1.5	VGAS-A-AN-G-RS-001
Color, CIE L*	80 min	VGAS-A-AN-G-RS-001
Fines, wt%, max	0.05	CEPC-A-AN-G-PTM-10
Pellet Shape	Cubical	

## Contact Songhan Plastic Technology Co.,Ltd.

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