

## Eastman Aqua 18696 PET (discontinued \*\*)

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

### Material Notes:

Voridian Aqua thermoplastic polyesters are condensation polymers produced by a continuous melt-phase polymerization process followed by a solid-state polymerization process. Containers made from 18696 contribute low Acetaldehyde (AA) off taste to the water. Voridian Aqua 18696 is tailor-made for non-carbonated water. This product is only available in Europe. Applications/Uses Water bottles

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eastman-Aqua-18696-PET-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-Aqua-18696-PET-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.801 g/cc	0.0289 lb/in <sup>3</sup>	Poured; ASTM D1895
	0.849 g/cc	0.0307 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	0.69 - 0.73	0.69 - 0.73	Intrinsic; VGAS-A-AN-G-V-1

Thermal Properties	Metric	English	Comments
Heat of Fusion	65.0 J/g	28.0 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	245 °C	473 °F	Crystalline Peak Melting Point; ASTM D3418

Descriptive Properties	Value	Comments
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Acetaldehyde Descriptive Properties	<100m Value	VKCA-A-AS-G-GC-0001 Comments
Color, CIE a*	-3.63 to -0.63	VGAS-A-AN-G-RS-001
Color, CIE b*	-1.33 to 2.12	VGAS-A-AN-G-RS-001
Color, CIE L*	81 min	VGAS-A-AN-G-RS-001
Fines, wt%, max	0.05	
Pellet Shape	Cubical	

## Contact Songhan Plastic Technology Co.,Ltd.

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