

Eastman 9663 PET (discontinued **)

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

Material Notes:

VORIDIAN PET 9663 is a PET homopolymer widely used in the heatset industry and is FDA approved for food contact in hotfill applications.

Voridian PET 9663 has a wide processing window and it's versatility enables usage of this polymer in custom

applications.Applications/UsesAutomotive parts containersFood packagingHousehold products containersPharmaceutical

containersWine and liquor containersFood-contact containers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-9663-PET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.817 g/cc	0.0295 lb/in ³	Poured; ASTM D1895
	0.881 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	0.78 - 0.82	0.78 - 0.82	Intrinsic; VGAS-A-AN-G-V-1

Thermal Properties	Metric	English	Comments
Heat of Fusion	63.0 J/g	27.1 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	
1.90 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	250 °C	482 °F	Crystalline Peak Melting Point; ASTM D3418

Descriptive Properties	Value	Comments
Acetaldehyde	<3ppm	VKCA-A-AS-G-GC-0001
Color, CIE a*	-2.0 ± 1.5	VGAS-A-AN-G-RS-001
Color, CIE b*	0.6 ± 1.5	VGAS-A-AN-G-RS-001
Color, CIE L*	78.5 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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