

Eastman 5214A PET (discontinued **)

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

Material Notes:

Voridian PET 5214A is a bright and transparent amber homopolymer that meets light barrier requirements while maintaining the desirable attributes of PET. This resin is commonly used to mold containers used in the pharmaceutical industry. Voridian PET 5214A has Drug Master File No. 9987 filed with the U.S. FDA. Applications/Uses Automotive parts containers Food packaging Household products containers Pharmaceutical containers Key Attributes Bright Transparent

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-5214A-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	0.72 - 0.76	0.72 - 0.76	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*	3.3 ± 1.0	VGAS-A-AN-G-RS-001
Color, CIE b*	4.8 ± 1.5	VGAS-A-AN-G-RS-001
Color, CIE L*	45.3 ± 2.0	VGAS-A-AN-G-RS-001
Fines, wt%, max	0.1	TEPO-A-AN-G-GA-4
Pellet Shape	Cubical	

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