

Eastman GP800 PET (discontinued **)

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

Material Notes:

Voridian PET GP800 is a general purpose polymer that is available in the European, Middle East and Africa region. This product is developed for optimal production of PET bottles, containers, and film/sheet applications. Applications/Uses APET film and sheet Injection molded containers PET Bottles 2 stage and single stage

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-GP800-PET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.820 g/cc	0.0296 lb/in ³	ASTM D1895
Density	1.40 g/cc	0.0506 lb/in ³	Crystalline Density; ASTM D1505
Melt Density	1.20 g/cc @Temperature 285 °C	0.0434 lb/in ³ @Temperature 545 °F	ASTM D1238
Particle Size	2500 µm	2500 µm	Pellet Size
Viscosity Measurement	0.78 - 0.82	0.78 - 0.82	Intrinsic; EMN-A-AC-G-V-1

Thermal Properties	Metric	English	Comments
Heat of Fusion	57.0 J/g	24.5 BTU/lb	ASTM E793
Specific Heat Capacity	1.10 J/g-°C	0.263 BTU/lb-°F	ASTM E1269
	1.30 J/g-°C @Temperature 80.0 °C	0.311 BTU/lb-°F @Temperature 176 °F	ASTM E1269
	1.40 J/g-°C @Temperature 100 °C	0.335 BTU/lb-°F @Temperature 212 °F	ASTM E1269
	1.80 J/g-°C @Temperature 200 °C	0.430 BTU/lb-°F @Temperature 392 °F	ASTM E1269
	2.00 J/g-°C @Temperature 280 °C	0.478 BTU/lb-°F @Temperature 536 °F	ASTM E1269
Melting Point	241 °C	466 °F	Crystalline Peak Melting Point; ASTM D3418

Descriptive Properties	Value	Comments
Acetaldehyde	<1ppm	TEPO-A-AN-G-GC-67

Color, CIE a* Descriptive Properties	-3.8 to -0.8 Value	VGAS-A-AN-G-RS-001 Comments
Color, CIE b*	-2.3 to 1.7	VGAS-A-AN-G-RS-001
Color, CIE L*	78 min	VGAS-A-AN-G-RS-001
Fines, wt%, max	0.05	VGAS-A-AN-G-GA-1
Pellet Shape	Cylindrical	

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