

Eastman CM01 PET (discontinued **)

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

Material Notes:

Voridian Polymer CM01 is clear polymer that is available in North America. This product is useful for production of beverage, food, and edible oil containers. Applications/Uses Carbonated soft drink containers Food Packaging Bottles

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-CM01-PET-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.858 g/cc	0.0310 lb/in ³	Poured; ASTM D1895
	0.931 g/cc	0.0336 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	
Viscosity Measurement	0.79 - 0.83	0.79 - 0.83	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	0.311 BTU/lb-°F	ASTM E1269
	@Temperature 80.0 °C	@Temperature 176 °F	
	1.50 J/g-°C	0.359 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	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*	-2.5 to 0.5	VGAS-A-AN-G-RS-001

Descriptive Properties	Value -0.2	Comments I-G-RS-001
Color, CIE L*	81 min	VGAS-A-AN-G-RS-001
Fines, wt%, max	0.1	VGAS-A-AN-G-GA-1
Pellet Shape	Cylindrical, 2x2x3 mm	

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