

## DAK Americas Laser+® MB912 PET

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

### Material Notes:

**Product Description:** Laser+® MB912 polymer is a polyethylene terephthalate resin designed specifically for the carbonated soft drink (CSD) and other beverage markets. It delivers fast, efficient processing and good overall bottle properties. This polymer is formulated to provide improved efficiencies in perform and bottle production while delivering a robust processing window. Bottles made with Laser+® MB912 deliver good CO2 barrier with continued excellent performance in creep and environmental stress-crack resistance.  
**Key Attributes:** Good performance in stress-crack resistance High reheat capability that provides fast and efficient processing in stretch blow molding Good CO2 barrier Robust processing window  
**Application/Uses:** Carbonated soft drink bottles and custom, edible oil, food, juices and personal care bottles and containers.  
 Information provided by DAK Americas

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DAK-Americas-Laser-MB912-PET.php](http://www.lookpolymers.com/polymer_DAK-Americas-Laser-MB912-PET.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.817 g/cc	0.0295 lb/in <sup>3</sup>	Poured; ASTM D1895
	0.881 g/cc	0.0318 lb/in <sup>3</sup>	Vibrated; ASTM D1895
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	Crystalline; 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	Cubical Shape
Viscosity Measurement	0.82 - 0.86	0.82 - 0.86	[dL/g], Intrinsic; DRAM-A-G-V-3

Thermal Properties	Metric	English	Comments
Heat of Fusion	59.0 J/g	25.4 BTU/lb	DSC on the first heating cycle; ASTM E793
Specific Heat Capacity	1.00 J/g-°C	0.240 BTU/lb-°F	ASTM E1269
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	1.21 J/g-°C	0.290 BTU/lb-°F	ASTM E1269
	@Temperature 80.0 °C	@Temperature 176 °F	
	1.38 J/g-°C	0.330 BTU/lb-°F	ASTM E1269
	@Temperature 100 °C	@Temperature 212 °F	
	1.72 J/g-°C	0.410 BTU/lb-°F	ASTM E1269
	@Temperature 200 °C	@Temperature 392 °F	
	1.88 J/g-°C	0.450 BTU/lb-°F	

Thermal Properties	Metric @ Temperature 280 °C	English @ Temperature 536 °F	ASTM E1269 Comments
Crystallization Temperature	245 °C	473 °F	DSC on second heating cycle, Peak Melting Point; ASTM D3418

Descriptive Properties	Value	Comments
Color	>74.5 CIE	L*, DRAM-A-G-RS-1
	-4 - -1 CIE	b*, DRAM-A-G-RS-1
Compounds	<3 ppm	Acetaldehyde, DRAM-A-G-GC-5
Fines	<0.05%	DRAM-A-GA-1

## Contact Songhan Plastic Technology Co.,Ltd.

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