

Dow LIGHTER™ C88 Polyethylene Terephthalate (PET) Resin

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

Material Notes:

LIGHTER™ resins are polyethylene terephthalate produced from PTA and MEG. These polymers are specifically designed for the production of beverage, food and other liquid containers and for thermoforming. LIGHTER™ C88 is particularly suitable for bottling mineral water since it was designed to minimize the formation of acetaldehyde. In general this grade is recommended for bottles for both still and carbonated mineral water. It is also suitable for the production of extruded thermo formable sheets. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-LIGHTER-C88-Polyethylene-Terephthalate-PET-Resin.php

Physical Properties	Metric	English	Comments
Bulk Density	0.880 g/cc	0.0318 lb/in ³	1/MA/1/008
Viscosity Measurement	0.74 - 0.78	0.74 - 0.78	[dl/g]; Intrinsic Viscosity; 1/MA/1/002
	88	88	[ml/g]; ISO Viscosity Number; ISO 1628/5
Crystallinity	>= 50 %	>= 50 %	1/MA/1/018

Thermal Properties	Metric	English	Comments
Melting Point	247 °C	477 °F	peak; 1/MA/1/007
Glass Transition Temp, Tg	78.0 °C	172 °F	1/MA/1/007

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.40 %	<= 0.40 %	1/MA/1/005

Descriptive Properties	Value	Comments
Acetaldehyde ppm, max	1	1/MA/1/004
Color, coordinate b, Max	1	1/MA/1/003
Fine Particles Content ppm, max	500	1/MA/1/001
Weight of 100 Granules g	1.5	1/MA/1/015

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