

Dow LIGHTER™ S93 Polyethylene Terephthalate (PET) Resin

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

Material Notes:

LIGHTER™ S93 is a polyester polymer modified to improve infrared reheating of preforms. It provides very good mechanical properties and a wide processing range on all injection molding machines. Moreover, preforms manufactured from LIGHTER™ S93 provide enhanced infrared heating rates, thus improving the operation of the stretch blow molding process, either increasing maximum output or reducing the reheat energy. It is suitable for the production of bottles for both mineral water and carbonated soft drinks. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-LIGHTER-S93-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	0.78 - 0.82	0.78 - 0.82	[dl/g]; Intrinsic Viscosity; 1/MA/1/002
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	1.5	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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