

SABIC BC 110 Crystalline Polyethylene Terephthalate

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

Material Notes:

Product Description: BC 110 is a crystalline, high molecular weight thermoplastic polymer made by a continuous melt-phase polymerization process followed by solid-state polymerization. **Characteristics:** BC 110 is a specially formulated bottle grade PET that is characterized by medium I.V. **Typical Applications:** BC 110 is especially suitable for the production of bottles for carbonated drinks in temperate climates. It can also be used for bottles for general packaging applications, e.g., edible oil & thermoformed packaging. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-BC-110-Crystalline-Polyethylene-Terephthalate.php

Physical Properties	Metric	English	Comments
Bulk Density	0.828 - 0.848 g/cc	0.0299 - 0.0306 lb/in ³	ASTM D1895
Density	<= 1.39 g/cc	<= 0.0502 lb/in ³	crystalline density; SABIC (IRC0032)
Viscosity Test	78 - 82 cm ³ /g	78 - 82 cm ³ /g	Intrinsic; SABIC (IRC0041)
Maximum Moisture Content	<= 0.35	<= 0.35	% w/w; SABIC (IRC0050)

Thermal Properties	Metric	English	Comments
Melting Point	246 - 256 °C	475 - 493 °F	SABIC (IRC0053)

Chemical Properties	Metric	English	Comments
Acetaldehyde	<= 1.00 ppm	<= 1.00 ppm	SABIC (IRC0057)

Descriptive Properties	Value	Comments
Color (b)	-1.5 ± 2.0	
Color (L)	89 ± 4.0	
DEG Content	< 1.5 % w/w	SABIC (IRC0055)
Dust Content	< 0.01 % w/w	SABIC (IRC0060)

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