

PRODUCT NAME: PET BC210

Supplier: SABIC®

Product Identification & Description

BC210 is a crystalline, high molecular weight thermoplastic polymer made by continues melt-phase polymerization process followed by solid-state polymerization. BC210 is especially formulated bottle grade PET characterized by medium IV.

Typical Applications

BC210 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

Physical Properties

Property	Typical Values	Units	Test Methods
Intrinsic Viscosity	0.80 ± 0.02	dL/g	SABIC Method
DEG Content	< 1.5	wt. %	SABIC Method
Crystalline Density	< 1390	kg/m ³	SABIC Method
Moisture Content	< 0.35	wt. %	SABIC Method

POLYMER PROPERTIES

Property	Typical Values	Units	Test Methods
Acetaldehyde Content	< 1	ppm	SABIC Method
Color (L)	89 ± 4.0	L-value	IRC 0051
Color (b)	-1.5 ± 2.0	b-value	IRC 0051
Dust Content	< 0.01	wt. %	SABIC Method
Bulk Density	850 ± 10	kg/m ³	ASTM D1895

Processing Conditions

- The PET (BC210) has to be dried to moisture content below about 30-40 ppm. The drying conditions typically used are 180 °C for 5 hours; the dew point of the drying air should be at least -40 °C. Typically, injection temperatures of 285 °C maybe used to get clear preforms with acceptable acetaldehyde level for Colas and flavored drinks.

Storage and Handling

PET resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry with relative humidity below 50% and temperatures preferably do not exceed 50 °C. SABIC would not give warranty to bad storage conditions, which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PET within 6 months after delivery

DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties. It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes.

The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us. Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

Revision: This datasheet replaces all previous versions. **Revision Date:** Mar 2026

