

SABIC® PET BC210

CRYSTALLINE POLYETHYLENE TEREPHTHALATE (PET)

DESCRIPTION

BC210 is a crystalline, high molecular weight thermoplastic polymer made by continuous 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.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PHYSICAL PROPERTIES			
Intrinsic Viscosity	0.8 ± 0.02	dl/g	SABIC method
DEG Content	<1.5	Wt. %	SABIC method
Crystalline Density	<1390	kg/m ³	SABIC method
Moisture Content ⁽¹⁾	<0.35	Wt. %	SABIC method
POLYMER PROPERTIES			
Acetaldehyde ⁽²⁾	<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

(1) At Equilibrium

(2) Typical values; not to be construed as specification limits.