

# SABIC® PET BC211

CRYSTALLINE POLYETHYLENE TEREPHTHALATE (PET)

## DESCRIPTION

BC211 is a crystalline, high molecular weight thermoplastic polymer made by continues melt-phase polymerization process followed by solid-state polymerization. BC211 is especially formulated bottle grade PET characterized by low I.V., and low acetaldehyde generation during melting.

## TYPICAL APPLICATIONS

BC211 is especially suitable for the production of bottles for water and can be used for non-carbonated and other packaging applications.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>PHYSICAL PROPERTIES</b>			
Intrinsic Viscosity <sup>(1)</sup>	0.76 ± 0.02	dl/g	SABIC method
DEG Content	<1.5	Wt. %	SABIC method
Crystalline Density	<1390	kg/m <sup>3</sup>	SABIC method
Moisture Content	<0.35	Wt. %	SABIC method
<b>POLYMER PROPERTIES</b>			
Acetaldehyde	<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 <sup>3</sup>	ASTM D1895

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