

SABIC® PP BCT18F

PP IMPACT COPOLYMER - PROVISIONAL DATASHEET

DESCRIPTION

A phthalate free and gel controlled film grade that provides excellent impact resistance at low temperature, retort ability and sealing properties. The balanced viscosity characteristics making this grade suitable for the main film processing technologies (blown, cast, tenter frame biaxial orientation). This grade can also be made available as TRUCIRCLE™ certified renewable or certified circular polymer.

TYPICAL PROPERTY VALUES

Revision 20260216

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	1.8	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
MECHANICAL PROPERTIES			
Charpy impact unnotched			
at 23 °C	No Break	kJ/m²	ISO 179/1eU
OPTICAL PROPERTIES			
Haze ⁽¹⁾	89	%	ASTM D1003
Gloss			
45°	4	%	ASTM D2457
FILM PROPERTIES			
Tensile test film			
Tensile strength at yield MD ⁽¹⁾	15	MPa	ASTM D882
Tensile Strength at yield TD ⁽¹⁾	15	MPa	ASTM D882
Elongation at yield MD ⁽¹⁾	7	%	ASTM D882
Elongation at yield TD ⁽¹⁾	6	%	ASTM B822
Tensile Modulus MD ⁽¹⁾	638	MPa	ASTM D882
Tensile Modulus TD ⁽¹⁾	563	MPa	ASTM B822
Sealing Initiation Temperature ⁽¹⁾	145	°C	SABIC method

(1) on 25µm thick film produced with SABIC internal standard conditions on cast technology.

STORAGE AND HANDLING

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.

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