

# 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 20220728

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	1.8	dg/min	ISO 1133
<b>Density</b>	905	kg/m <sup>3</sup>	ASTM D1505
<b>OPTICAL PROPERTIES</b>			
<b>Haze</b> <sup>(1)</sup>	89	%	ASTM D1003
<b>Gloss</b>			
45°	4	%	ASTM D2457
<b>FILM PROPERTIES</b>			
<b>Tensile test film</b>			
Tensile strength at yield MD <sup>(1)</sup>	15	MPa	ASTM D882
Tensile Strength at yield TD <sup>(1)</sup>	15	MPa	ASTM D882
Elongation at yield MD <sup>(1)</sup>	7	%	ASTM D882
Elongation at yield TD <sup>(1)</sup>	6	%	ASTM B822
Tensile Modulus MD <sup>(1)</sup>	638	MPa	ASTM D882
Tensile Modulus TD <sup>(1)</sup>	563	MPa	ASTM B822
<b>Sealing Initiation Temperature</b> <sup>(1)</sup>	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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