

SABIC® PP FPC105

PP IMPACT COPOLYMER FLOWPACT

DESCRIPTION

SABIC® PP FPC105 has been developed as a new member of the SABIC® PP FLOWPACT solutions dedicated to the thin wall packaging market. SABIC® PP FPC105 delivers very high flow with superior stiffness - impact balance and excellent organoleptic properties. This grade is designed for high-speed injection moulding and enables very cost efficient processing with short cycle times. In addition, it has an excellent dimensional stability.

It has a good antistatic performance and permits easy demoulding. It is also nucleated and phthalate & odor free.

TYPICAL APPLICATIONS

SABIC® PP FPC105 is typically used in thin wall packing applications for yellow fats / margarine tubs, dairy products, frozen, chilled and ambient food, houseware & compounding.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	100	dg/min	ASTM D1238
Density			
@ 23°C	905	kg/m³	ASTM D792
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	4	%	ASTM D638
Flexural Modulus (1% Secant)	1380	MPa	ASTM D790 A
Notched Izod Impact Strength at 23°C	35	J/m	ASTM D256
Notched Izod Impact Strength at -20°C	31	J/m	ASTM D256
Rockwell Hardness, R-Scale	80	-	ASTM D785
THERMAL PROPERTIES			
Heat Deflection Temperature at 455kPa	110	°C	ASTM D648
Vicat Softening Point	148	°C	ASTM D1525

(1) Based on injection molded specimens

