

SABIC® PP FPC70T

POLYPROPYLENE IMPACT COPOLYMER
REGION ASIA

DESCRIPTION

SABIC® PP FPC70T is part of the SABIC® PP FLOWPACT portfolio dedicated for thin wall packaging application. It offers very high melt flow rate along with good stiffness / impact balance enable very fast production speed while maintain good product integrity. It is designed to have good organoleptic performance to minimize potential taste and smell transfer to the food contents. SABIC® PP FPC70T also has very good impact resistance even at low temperature. This make it particularly suitable for the production of ice cream container, yoghurt tub, margarine container and other thin wall packaging for low temperature storage.

TYPICAL APPLICATIONS

SABIC® PP FPC70T is suitable for production of food contact thin wall packaging which includes packaging for frozen food, ambient food and dairy products (e.g. yoghurt, butter, cheese, etc.).

TYPICAL PROPERTY VALUES

Revision 20211024

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@230°C&2.16kg	70	g / 10 min	ISO 1133
Density			
@23°C	905	kg/m³	ISO 1183
MECHANICAL PROPERTIES			
Tensile strength			
@Yield	25	MPa	ISO 527-2
Flexural Modulus			
(1% Secant)	1350	MPa	ISO 178
Charpy Impact Strength Notched			
@23°C	6.5	kJ/m²	ISO 179-1
@-20°C	3	kJ/m²	ISO 179-1
Rockwell Hardness			
R-Scale	95	-	ISO 2039-2
THERMAL PROPERTIES			
Heat deflection temperature			
@455kPa	105	°C	ISO 75-2

STORAGE AND HANDLING

The resin should be stored in a manner to prevent a direct exposure to sunlight and / or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions that may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.



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