سابك
sabic

SABIC® PP FPC70

PP IMPACT COPOLYMER FLOWPACT

DESCRIPTION

As part of SABIC® PP FLOWPACT portfolio, FPC70 delivers high top load performance (potential downgauging) with a superior stiffness / impact balance. It is nucleated and has good antistatic performance with easy demoulding. This grade has good flow behavior, and it is typically used by our customer for high-speed injection moulding process, potentially enabling very cost efficient processing on the basis of easy mould filling and very short cycle times.
Applications:
SABIC® PP FPC70 is typically used in rigid packaging applications for both food and non-food industries. This includes packaging for yellow fats, cheese spreads, dairy, frozen, chilled and ambient food, household chemicals and paints among others.
It can be also used in several applications in the caps & closures as well in housewares.
The grade has excellent heat deflection temperature making it may particularly be used for hot fill applications.
Health, Safety and Food Contact regulations:
Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site http://www.SABIC.com
This product is not intended for and must not be used in any pharmaceutical/medical applications.

TYPICAL PROPERTY VALUES

Revision 20210122

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	70	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
FORMULATION			
Anti static agent	☑	-	-
Nucleating agent	☑	-	-
MECHANICAL PROPERTIES			
Tensile test			
stress at yield [1]	28	MPa	ISO 527-2 1A
strain at yield	4	%	ISO 527-2 1A
tensile modulus [2]	1700	MPa	ISO 527-2 1A
Izod impact notched			
at 23 °C	6	kJ/m²	ISO 180/1A
at 0 °C	4	kJ/m²	ISO 180/1A
at -20 °C	3	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	7	kJ/m²	ISO 179/1eA
at 0 °C	5	kJ/m²	ISO 179/1eA
at -20 °C	3	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
Heat deflection temperature [3]			
at 0.45 MPa (HDT/B)	100	°C	ISO 75
at 1.80 MPa (HDT/A)	60	°C	ISO 75
Vicat Softening Temperature [4]			
at 10 N (VST/A)	150	°C	ISO 306

© 2024 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS™

سابك
sabic

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
at 50 N (VST/B)	80	°C	ISO 306

(1) Speed of testing: 50 mm/min
(2) Speed of testing: 1 mm/min
(3) Flat wise (testbar 80*10*4mm)
(4) Temperature rate: 120ºC/h

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.

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.