



SABIC® PP 513MK46

POLYPROPYLENE IMPACT COPOLYMER FOR INJECTION MOLDING

DESCRIPTION

SABIC® PP 513MK46 is specially developed for producing injection molded articles. This grade contains nucleating & antistatic agents. It has very high flow properties in combination with excellent impact / stiffness balance and excellent organoleptic properties.

SABIC® PP 513MK46 encompasses the following features:

High top load strength & down gauging potential

Very good Impact resistance

Excellent isotropy shrinkage performance (dimensional stability)

High crystallization temperature and superior flow behavior (lower cycle time)

Easy mold filling for aesthetic & large items

Clean product in combination of low / no odor & taste

TYPICAL APPLICATIONS

SABIC® PP 513MK46 typically used in thin-walled packaging applications for both food and non-food industries; this includes packaging for frozen / chilled / ambient food, dairy products (e.g. butter, yoghurt, cream, cheese etc.). It can be also used in several applications in the housewares, appliances, toys, caps & closures and compounding.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate ⁽¹⁾			
@ 230°C & 2.16 kg load ⁽¹⁾	70	g/10 min	ASTM D 1238
Density at 23°C	902	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Elongation at Yield	4.5	%	ISO 527-1/-2
Flexural Modulus (1% Secant)	1350	MPa	ASTM D790 A
Notched Izod Impact Strength at 23°C	53	J/m	ASTM D256
Notched Izod Impact Strength at -20°C	32	J/m	ASTM D256
Rockwell Hardness, R-Scale ⁽²⁾	98	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Point	149	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	111	°C	ASTM D648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens