

SABIC® PP 49MK45

POLYPROPYLENE IMPACT COPOLYMER FOR INJECTION MOLDING

DESCRIPTION

SABIC® PP 49MK45 is specially developed for producing injection molded articles. This grade contains nucleating & antistatic agents. It has medium flow properties and excellent impact - stiffness balance.

TYPICAL APPLICATIONS

SABIC® PP 49MK45 can be used for housewares, furniture, toys, appliances, pails & containers.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
@ 230°C & 2.16kg load	21	g/10 min	ASTM D1238
Density at 23°C	905	kg/m³	ASTM D1505
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Properties			
Strength @ Yield	29	MPa	ASTM D638
Elongation @ Yield	5	%	ISO 527-1/-2
Flexural Modulus (1% Secant)	1400	MPa	ASTM D790 A
Notched Izod Impact Strength at 23°C	65	J/m	ASTM D256
Notched Izod Impact Strength at -20°C	35	J/m	ASTM D256
Rockwell Hardness, R-Scale	95	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Point	150	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	106	°C	ASTM D648

(1) Typical values, not to be construed as specific limits

(2) Based on injection molded specimens

