

SABIC® PP 5705P

PP HOMOPOLYMER

DESCRIPTION

SABIC® PP 5705P is a polypropylene homopolymer resin for injection molding application. It exhibits high stiffness, good heat resistance and good flow characteristic.

TYPICAL APPLICATIONS

SABIC® PP 5705P can be used to produce furniture, housewares, caps & closures, containers and toys.

This product is not intended for use in medical and pharmaceutical applications.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 230°C/2.16 kg	15	g/10 min	ASTM D1238
Density	905	kg/m³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Strength at Break	28	MPa	ASTM D638
Flexural Modulus (1% Secant)	1700	MPa	ASTM D790 A
Izod Impact Strength			
Notched, 23°C	2	kJ/m²	ISO 180
THERMAL PROPERTIES			
Vicat Softening Point	152	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	116	°C	ASTM D648

