



SABIC[®] PP 56M65

POLYPROPYLENE IMPACT COPOLYMER FOR INJECTION MOLDING

DESCRIPTION

SABIC[®] PP 56M65 is specially developed for producing injection molded articles requiring a good resistance to long term heat exposure. This grade contains high heat stabilizer additive & has good heat aging resistance and good impact - stiffness balance.

TYPICAL APPLICATIONS

SABIC[®] PP 56M65 can be used for battery cases, pails and containers and crates and boxes.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230°C and 2.16kg	7.0	g/10 min	ASTM D1238
Density			
at 23°C	905	kg/m ³	ASTM D792
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile Properties			
Strength @ Yield	27	MPa	ASTM D 638
Elongation @ Yield	7.6	%	ASTM D 638
Flexural Modulus (1% Secant)	1150	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	97	J/m	ASTM D256
notched, at -20°C	40	J/m	ASTM D256
Rockwell Hardness, R-Scale	85	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Temperature	150	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	85	°C	ASTM D648

(1) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for 56M65 are:

Barrel temperature range: 200 - 250°C.

Mold shrinkage: 1.2 - 2.0% depending on wall thickness and processing conditions.

Mold temperature: Normally 15 - 40°C, up to 65°C for thick parts.