

# SABIC® PP 5061PR

POLYPROPYLENE HOMOPOLYMER

## DESCRIPTION

SABIC® PP 5061PR is a homopolymer polypropylene resin and is typically used for yarn extrusion. Yarn made from this resin typically exhibits high denier strength, high anti splitting and low heat shrinkage.

## TYPICAL APPLICATIONS

Woven sacks, woven cloths, monofilament, binding tape, thermoforming.

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

## TYPICAL PROPERTY VALUES

Revision 20211207

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
@ 230°C/2.16 kg	4	g/10 min	ASTM D1238
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Tensile Strength at Break	18	MPa	ASTM D638
Tensile Elongation at Break	110	%	ASTM D638
Flexural Modulus (1% Secant)	1300	MPa	ASTM D790 A
Izod Impact , Notched, 23 °C	3	kJ/m <sup>2</sup>	ISO 180
Rockwell Hardness, R-Scale	99	-	ASTM D785
<b>THERMAL PROPERTIES</b>			
Vicat Softening Temperature	152	°C	ASTM D1525

## PROCESSING CONDITIONS

Typical processing conditions for 5061PR are:

Barrel temperature range: 235 - 250°C

## STORAGE AND HANDLING

Polypropylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.

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