

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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 230°C/2.16 kg	4	g/10 min	ASTM D1238
MECHANICAL PROPERTIES			
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/m²	ISO 180
Rockwell Hardness, R-Scale	99	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Temperature	152	°C	ASTM D1525

