

SABIC® PP 5261N

POLYPROPYLENE HOMOPOLYMER - PROVISIONAL DATASHEET

DESCRIPTION

SABIC® PP 5261N is high crystallinity, high stiffness home PP grade specially developed for cast film applications and do not contain slip and antiblock additives. Films produced using SABIC® PP 5261N will exhibit: High stiffness, Consistent processability; Good gloss and clarity; Good melt strength; Good mechanical properties, Good heat resistance, Film produced can be metallized.

TYPICAL APPLICATIONS

SABIC® PP 5261N can be used for producing food and non-food packaging, sustainable CPP films with downgauging, films for hot fill applications and high barrier metallized CPP.

TYPICAL PROPERTY VALUES

Revision 20241108

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	8	g/10 min	ASTM D1238
Density			
at 23°C	905	kg/m ³	ASTM D792
MECHANICAL PROPERTIES ⁽¹⁾			
Flexural Modulus (1% Secant)	2000	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	30	J/m	ASTM D256
Rockwell Hardness, R-Scale	102	-	ASTM D785
Tensile Properties			
Stress at yield	40	MPa	ASTM D638
Strain at yield	8	%	ASTM D638
THERMAL PROPERTIES			
Vicat Softening Temperature	155	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	120	°C	ASTM D648

(1) Based on injection molded specimens.

PROCESSING CONDITIONS

Typical processing conditions for 5261N are:

Average extrusion temperature range may be kept at 210 - 250°C.

HEALTH AND SAFETY CONSIDERATIONS AND PRECAUTIONS

Detailed information is provided in the relevant Material Safety Datasheet and or Standard Food Declaration, available on the Internet (www.SABIC.com). Additional specific information can be requested via your local Sales Office."

DISCLAIMER: This product is not intended for and must not be used in any pharmaceutical/medical applications.



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.

DISCLAIMER

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