

SABIC® PP 5112A

PROVISIONAL DATA SHEET POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

SABIC® PP 5112A is a polypropylene homopolymer resin is used for extrusion applications like spun bond and continuous filament spinning resulting in excellent non woven tensile properties. It is formulated with an anti-gas fading stabilization package to minimize discoloration of the fibers. This product can be used for the production of continuous filaments.

TYPICAL APPLICATIONS

SABIC® PP 5112A is typically used for the production of non wovens and fibres used in Diapers, feminine care, crop/flower protection, concrete reinforcement, protective clothing, ground stabilization in civil applications like road and railway construction work, liners in automotive, apparel clothing and flooring. Filament Yarn, Geotextile & Agriculture, Wipes/ Tissues

TYPICAL PROPERTY VALUES

Revision 20230511

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES⁽¹⁾			
Melt Flow Rate (MFR)	25	g/10 min	ISO 1133
at 230°C and 2.16kg			
MECHANICAL PROPERTIES⁽²⁾			
Tensile Stress at Yield	30	MPa	ISO 527-1/-2
Flexural Modulus	1100	MPa	ISO 178/1A
Izod Impact Strength	2	kJ/m ²	ISO 180/1A
Notched at 23°C			

(1) Typical values, not to be construed as specific limits.

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for 5112A are: Average extrusion temperature range may be kept at 210 - 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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