

SABIC® PP 5192A

PROVISIONAL DATA SHEET POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

SABIC® PP 5192A is a homopolymer used for extrusion applications. It has very narrow molecular weight distribution and is formulated with an anti-gas fading stabilisation package. This product can be used for the production of continuous filaments. Typical applications are high-tenacity yarns (HTY) and spunbond nonwovens.

TYPICAL APPLICATIONS

SABIC® PP 5192A is typically used for the production of spunbond non woven and fibers used in Diapers, feminine care, apparel, crop/flower protection, concrete reinforcement, building, geo-textiles. Filament yarn, Geotextile & agriculture, hygiene nonwoven wipes and tissues

TYPICAL PROPERTY VALUES

Revision 20230511

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	33	g/10 min	ISO 1133
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Stress at Yield	34	MPa	ISO 527-1/-2
Flexural Modulus	1400	MPa	ISO 178/1A

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

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Processing conditions: SABIC® PP 5192A can be processed at typical processing conditions. 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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