

SABIC® PP 5202L

PROVISIONAL DATA SHEET POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

SABIC® PP 5202L is a polypropylene homopolymer with high clarity, high slip and anti-blocking properties, especially suitable for tubular water quenched blown film applications. Films produced using SABIC PP 5202L has the following features: Consistent processability; High melt strength; Good optical properties; Excellent runability on bagging and sealing machines.

TYPICAL APPLICATIONS

SABIC® PP 5202L can be used for producing garment packaging for hosiery, shirts, other textiles, magazine covers and for food packaging.

TYPICAL PROPERTY VALUES

Revision 20230511

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES⁽¹⁾			
Melt Flow Rate (MFR)	11	g/10 min	ISO 1133
MECHANICAL PROPERTIES⁽²⁾			
Tensile Stress at Yield	34	MPa	ISO 527-1/-2
Flexural Modulus	1500	MPa	ISO 178/1A
Izod Impact Strength			
Notched at 23°C	1.5	kJ/m ²	ISO 180/1A

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

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for PP5202L are:

Average extrusion temperature range may be kept at 205 - 215°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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