

SABIC® PP 5233P

PROVISIONAL DATA SHEET POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

SABIC® PP 5233P is a polypropylene homopolymer designed for production of biaxially oriented polypropylene films (BOPP). It offers good optical properties and ease processing, and recommended to be used as mono and co-extruded layer structure for metalizable films.

TYPICAL APPLICATIONS

SABIC® PP 5233P can be used for Biaxially Oriented Polypropylene (BOPP) packaging film and thermoforming sheets. SABIC® PP 5233P can be used as core layer in co-extruded film and/or as base material for plain films used for label film, stationary, dry food bags, synthetic paper and heat sealable packaging films.

TYPICAL PROPERTY VALUES

Revision 20220926

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	3	g/10 min	ISO 1133
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Strength at Yield	35	MPa	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178/1A
Izod Impact Strength	60	J/m	ASTM D256
Tensile Elongation at Yield	12	%	ASTM D638

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

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for 5233P are:

Average extrusion temperature range may be kept at 240 - 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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