

SABIC® PP 5002P

PROVISIONAL DATA SHEET POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

SABIC® PP 5002P is a polypropylene homopolymer multipurpose grade used for extrusion, injection and thermoforming applications, formulated with a low watercarry-over additive package.

TYPICAL APPLICATIONS

SABIC® PP 5002P has excellent stretch ability and is therefore suitable for tapes and strapping, high tenacity yarns and carpet backing. It can also be used in monofilaments, ropes and twines, woven bags, flexible intermediate bulk containers, geotextiles and concrete reinforcements. For thermoforming it shows a unique balance between transparency, impact resistance and thickness uniformity. SABIC® PP 5002P is also suitable for production of injection molded articles e.g. caps and closures and house ware products, where this grade shows a high stiffness, combined with a fair impact resistance and very good surface hardness.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	3.4	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
Izod Impact Strength			
Notched at 23°C	4	kJ/m ²	ISO 180/1A

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

(2) Based on injection molded specimens

