



SABIC® PP 504P

POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

SABIC® PP 504P is specially developed for producing stretched tapes with the following features: Consistent processability; Easy orientation; Low water carry over; Good mechanical properties.

TYPICAL APPLICATIONS

SABIC® PP 504P can be used for producing woven bags, flexible intermediate bulk containers, ropes & twines, carpet backing, cable fillers and geotextiles.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230°C and 2.16kg	3.2	g/10 min	ASTM D1238
at 23°C	905	kg/m ³	ASTM D792
MECHANICAL PROPERTIES			
Flexural Modulus (1% Secant)	1450	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	55	J/m	ASTM D256
Rockwell Hardness, R-Scale	102	-	ASTM D785
FILM PROPERTIES			
Tensile Properties ⁽¹⁾			
stress at yield	35	MPa	ASTM D638
strain at yield	12	%	ASTM D638
THERMAL PROPERTIES			
Vicat Softening Temperature	156	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	94	°C	ASTM D648

(1) Based on injection molded specimens.

PROCESSING CONDITIONS

Typical processing conditions for 506P are:

Barrel temperature range: 230 - 260°C