

SABIC® PP 510P

POLYPROPYLENE HOMOPOLYMER
REGION ASIA

DESCRIPTION

SABIC® PP 510P is a fibre grade with an anti gas fading stabilisation package. This grade is suitable for e.g. wipes and industrial carpets.

TYPICAL APPLICATIONS

SABIC® PP 510P is suitable for spinning of coarse staple fibres, carpet fibres, yarns and geotextiles with moderate tenacity. It can be also used for the production of continuous filament.

TYPICAL PROPERTY VALUES

Revision 20201214

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	12	g/10 min	ASTM D1238
Density			
at 23°C	905	kg/m³	ASTM D792
MECHANICAL PROPERTIES			
Flexural Modulus (1% Secant)			
	1530	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	22	J/m	ASTM D256
Rockwell Hardness, R-Scale			
	104	-	ASTM D785
FILM PROPERTIES			
Tensile Properties ⁽¹⁾			
stress at yield	36	MPa	ASTM D638
strain at yield	11	%	ASTM D638
THERMAL PROPERTIES			
Vicat Softening Temperature			
	153	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	104	°C	ASTM D648

(1) Based on injection molded specimens.

PROCESSING CONDITIONS

Typical processing conditions for 510P are:

Average extrusion temperature range may be kept at 210 - 240°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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CHEMISTRY THAT MATTERS™



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