



## SABIC® PP 511A

### PP homopolymer for Fibre, filament and tape extrusion

#### Description:

SABIC PP 511A is a polypropylene homopolymer resin specifically designed for extrusion applications like spun bond and continuous filament spinning resulting in excellent non woven tensile properties. The narrow molecular weight distribution of SABIC PP 511A is obtained by balanced controlled rheology. SABIC PP 511A is compatible with all existing spun bond/continuous filament machine technologies producing different non woven compositions, produced with narrow distributed molecular weight polypropylene resins. SABIC PP 511A has a special developed anti gas fading formulation to minimise discolouration of the fibres.

#### Applications:

SABIC PP 511A is typically used for the production of non wovens and fibres used in: Diapers, feminine care, crop/flower protection, concrete reinforcement, protective clothing, ground stabilisation in civil applications like road and railway construction work, liners in automotive, apparel clothing and flooring.

#### Processing conditions:

SABIC PP 511A can be processed at typical processing conditions. For specific information please contact our customer service on our internet site [www.SABIC-europe.com](http://www.SABIC-europe.com).

#### Health, Safety and Food Contact regulations:

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC-europe.com>. The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications.

This grade material is UL registered under File E111275 ([www.ul.com](http://www.ul.com))

IMDS 7172624

#### Typical values

Revision 20140109

Properties	Unit (Si)	Values	Test methods
<b>Polymer properties</b>			
<b>Melt flow rate (MFR)</b> at 230 °C and 2.16 kg	dg/min	<b>25</b>	ISO 1133
<b>Density</b>	kg/m <sup>3</sup>	<b>905</b>	ISO 1183
<b>Molecular Weight Distribution</b>	-	<b>Narrow</b>	-
<b>Isotacticity</b>	-	<b>Medium</b>	-
<b>Formulation</b>			
<b>Gas fading stabilized</b>	-	<b>Yes</b>	-
<b>Mechanical properties</b>			
<b>Tensile test</b>			ISO 527-2 1A
stress at yield	1)	<b>34</b>	
strain at yield	1)	<b>11</b>	
tensile modulus	2)	<b>1550</b>	

1) Speed of testing: 50 mm/min

2) Speed of testing: 1 mm/min



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**Quality:**

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.

**Storage and handling:**

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.

**Disclaimer.** The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC Europe as referred to herein means any legal entity belonging to the SABIC Europe group of companies.