

**PRODUCT NAME: PP 510P**
**POLYPROPYLENE HOMOPOLYMER**
**Supplier: SABIC®**
**Product Identification & 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.

Gas fading stabilized

**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.

**Physical Properties**

Property	Typical Values	Units	Test Methods
<b>Melt Flow Rate (MFR) @ 230 °C / 2.16 kg</b>	91	g/10 min	ASTM D1238
<b>Density at 23 °C</b>	905	kg/m <sup>3</sup>	ASTM D1505
<b>Molecular Weight Distribution</b>	broad		
<b>Isotacticity</b>	Medium		

**Mechanical Properties**

Property	Typical Values	Units	Test Methods
<b>Tensile Modulus</b>	37	MPa	ASTM D638
<b>Stress at Yield</b>	7	%	ASTM D638
<b>Strain at Yield</b>	1665	MPa	ASTM D790 (Procedure A)
<b>Stress at Break</b>	28	J/m	ASTM D256
<b>Strain at Break</b>	95	R	ASTM D785
<b>Flexural Modulus</b>	1700	MPa	ASTM D790

**Thermal Properties**

Property	Typical Values	Units	Test Methods
<b>Vicat Softening Temperature at 50 N (VST/B)</b>	82	°C	ISO 306
<b>Vicat Softening Temperature at 10 N (VST/A)</b>	153	°C	ISO 306

**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

## 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.

**Revision:** This datasheet replaces all previous versions. **Revision Date:** Mar 2026

