



SABIC® PP 505P

PP homopolymer for Fibre, filament and tape extrusion

Description:

SABIC® PP 505P is a multi purpose grade for extrusion and injection moulding applications.

Application:

SABIC® PP 505P provides an excellent stretch ability and is suitable for extrusion of tapes, strapping, high tenacity yarns but also for thermoformed articles. For injection moulded parts SABIC® PP 505P shows a moderate stiffness, good impact resistance and very good surface hardness. SABIC® PP 505P is suitable for production of caps and closures and house ware articles.

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>

This grade material is UL registered under File E111275 (www.ul.com)

IMDS ID: 7172624

Typical values

Revision 20140109

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	dg/min	2.0	ISO 1133
Density	kg/m ³	905	ISO 1183
Molecular Weight Distribution	-	Broad	-
Isotacticity	-	Medium	-
Formulation			
Gas fading stabilized	-	No	-
Mechanical properties			
Tensile test			ISO 527-2 1A
stress at yield	1) MPa	37	
strain at yield	1) %	10	
tensile modulus	2) MPa	1500	
Thermal properties			
Vicat softening temperature	3)		ISO 306
at 10 N (VST/A)	°C	152	
at 50 N (VST/B)	°C	88	

1) Speed of testing: 50 mm/min

2) Speed of testing: 1 mm/min

3) Temperature rate: 120°C/h



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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.