



# SABIC® PP-UMS 561P

PP HOMOPOLYMER

## DESCRIPTION

SABIC® PP-UMS 561P is an unique new Ultra Melt Strength resin in the market, with a melt strength of more than 65 cN and outstanding foam-ability. It can be used by all industry segments as a building block to develop new foaming solutions that enable an unprecedented level of light weighting.

As SABIC® PP-UMS 561P is a non stabilized PP, please evaluate whether your use of our product requires the addition of a stabilization package.

## TYPICAL PROPERTY VALUES

Revision 20220808

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	2.5	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus <sup>(1)</sup>	1925	MPa	ISO 527-2 1A
strain at break <sup>(2)</sup>	15	%	ISO 527-2 1A
Izod impact notched			
at 23 °C	2.2	kJ/m²	ISO 180/1A
Melt Strength	≥65	cN	SABIC method
THERMAL PROPERTIES			
Heat deflection temperature <sup>(3)</sup>			
at 0.45 MPa (HDT/B)	110	°C	ISO 75

(1) Speed of testing: 1 mm/min  
(2) Speed of testing: 50 mm/min  
(3) Flat wise ( testbar 80\*10\*4mm)

## 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.

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