

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

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/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	1925	MPa	ISO 527-2 1A
strain at break ⁽²⁾	15	%	ISO 527-2 1A
Izod impact notched			
at 23 °C	2.2	kJ/m ²	ISO 180/1A
Melt Strength	≥65	cN	SABIC method
THERMAL PROPERTIES			
Heat deflection temperature ⁽³⁾			
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)

