SABIC® PP-UMS HEX17112

PP HOMOPOLYMER - PROVISIONAL DATASHEET

DESCRIPTION

SABIC® PP-UMS HEX17112 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.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
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 (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/m²	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)

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