



SABIC® PP 532BH

PP HOMOPOLYMER

DESCRIPTION

SABIC® PP 532Bh has a high molecular weight and therefore mainly used for extrusion. It has been provided with a high heat stabilisation package and is typically used for thick sheet in demanding applications. Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	0.30	dg/min	ISO 1133
Density	905	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	1800	MPa	ISO 527-2 1A
stress at yield ⁽²⁾	38	MPa	ISO 527-2 1A
strain at yield	8	%	ISO 527-2 1A
Izod impact notched			
at 23 °C	6.0	kJ/m ²	ISO 180/1A
at -20 °C	2.5	kJ/m ²	ISO 180/1A
at 0 °C	3.0	kJ/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 0 °C	3.0	kJ/m ²	ISO 179/1eA
at 23 °C	6.0	kJ/m ²	ISO 179/1eA
at -20 °C	2.5	kJ/m ²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	No Break	kJ/m ²	ISO 179/1eU
Hardness Shore D	72	-	ISO 868
THERMAL PROPERTIES			
Heat deflection temperature ⁽³⁾			
at 1.80 MPa (HDT/A)	65	°C	ISO 75
at 0.45 MPa (HDT/B)	105	°C	ISO 75
Vicat Softening Temperature ⁽⁴⁾			
at 50 N (VST/B)	101	°C	ISO 306



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
at 10 N (VST/A)	160	°C	ISO 306
OIT 200°C	> 60	min	EN 728

- (1) Speed of testing: 1 mm/min
- (2) Speed of testing: 50 mm/min
- (3) Flat wise (testbar 80*10*4mm)
- (4) Temperature rate: 120°C/h

QUALITY

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.