

SABIC® PP 578N

PP HOMOPOLYMER

DESCRIPTION

SABIC® PP 578N is a nucleated PP homopolymer grade. This grade allows for cost efficient processing on the basis of good flow behavior, short cycle times, and robust processing behaviour. Products made from SABIC® PP 578N typically have low warpage, high stiffness in combination with moderate impact strength at room temperature, and a high gloss. Application: SABIC® PP 578N is typically used in domestic appliances and furniture, even as replacement for talcum or chalk filled compounds. Health, Safety and Food Contact regulations
E111275 / IMDS 7172624

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	25	dg/min	ISO 1133
Density	905	kg/m ³	ASTM D1505
FORMULATION			
Anti static agent	☐	-	-
Nucleating agent	☒	-	-
MECHANICAL PROPERTIES			
Tensile test			
strain at yield ⁽¹⁾	8	%	ISO 527-2 1A
stress at yield	38	MPa	ISO 527-2 1A
tensile modulus ⁽²⁾	1900	MPa	ISO 527-2 1A
Izod impact notched			
at 23 °C	3.0	kJ/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	4.0	kJ/m ²	ISO 179/1eA
Hardness Shore D	72	-	ISO 868
THERMAL PROPERTIES			
Heat deflection temperature ⁽³⁾			
at 0.45 MPa (HDT/B)	95	°C	ISO 75
at 1.80 MPa (HDT/A)	60	°C	ISO 75
Vicat Softening Temperature ⁽⁴⁾			
at 50 N (VST/B)	99	°C	ISO 306



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
at 10 N (VST/A)	154	°C	ISO 306

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

