

SABIC® PP POWDER 520PP20

PP HOMOPOLYMER

DESCRIPTION

SABIC® PP 520PP20 powder grade is characterized by medium flow and broad molecular weight distribution. It contains a basic stabilisation package.

Application: SABIC® PP 520PP20 is a normal sized powder grade. Since the grade is supplied in powder form it is typically used for pre mixing. The flow and dispersion of pigments and additives that tend towards blocking are typically improved by adding this grade.

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical / medical applications.

TYPICAL PROPERTY VALUES

Revision 20240603

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	10.5	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
Molecular Weight Distribution	Broad	-	-
Isotacticity	Medium	-	-
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	1700	MPa	ISO 527-2 1A
strain at yield ⁽²⁾	9	%	ISO 527-2 1A
stress at yield	36	MPa	ISO 527-2 1A

(1) Speed of testing: 1 mm/min

(2) Speed of testing: 50 mm/min

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

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