

SABIC® PP 620P

POLYPROPYLENE RANDOM COPOLYMER

DESCRIPTION

PP 620P is a general-purpose random PP grade primarily produced for extrusion applications. Due to its basic design, it can be used in a wide range of applications. With the well balance mechanical properties and easy extrusion behavior, it is highly useful in a wide range of applications.

TYPICAL APPLICATIONS

Typical applications are: extrusion blow molding, sheet extrusion and other extrusion applications.

TYPICAL PROPERTY VALUES

Revision 20230111

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 230 °C and 2.16 kg	1.7	dg/min	ISO 1133
Density	905	kg/m³	ASTM D1505
Molecular Weight Distribution	Broad	-	-
Isotacticity	Medium	-	-
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	850	MPa	ISO 527-2 1A
stress at yield	25	MPa	ISO 527-2 1A
strain at yield ⁽²⁾	12	%	ISO 527-2 1A
Izod impact notched			
at 23 °C	8.0	kJ/m²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	8.0	kJ/m²	ISO 179/1eA
Hardness Shore D	60	-	ISO 868
THERMAL PROPERTIES			
Vicat Softening Temperature ⁽³⁾			
at 10 N (VST/A)	128	°C	ISO 306
at 50 N (VST/B)	63	°C	ISO 306

(1) Speed of testing: 1 mm/min

(2) Speed of testing: 50 mm/min

(3) Temperature rate: 120°C/h

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.



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