

SABIC® PP 621P

PP RANDOM COPOLYMER

DESCRIPTION

SABIC® PP 621P is a newly designed random copolymer polypropylene particularly for cast film applications with high clarity. Products produced out of SABIC® PP 621P have a high clarity, excellent sealing performance and high puncture resistance. The molecular structure of this grade is tailored for high performance processing. SABIC® PP 621P does not contain anti-block and slip agent. A grade with anti-block and slip agent is available as SABIC® PP 622L.

Applications: SABIC PP 621P is typically used in applications like food packaging, lamination film, stationary film, textile packaging, flower packaging, and hygiene packaging. SABIC® PP 621P is also a partner resin of LLDPE for power stretch film to which high holding force is required in order to assure good pallet stability.

Specific applications are: sparkling beverage, building & construction materials and in general unitized heavy goods.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	8.0	dg/min	ISO 1133
Density	905	kg/m ³	ASTM D1505
Molecular Weight Distribution	Narrow	-	-
FORMULATION			
Anti block agent	<input type="checkbox"/>	-	-
Slip agent	<input type="checkbox"/>	-	-
MECHANICAL PROPERTIES			
Tensile test			
strain at yield ⁽¹⁾	13	%	ISO 527-2 1A
tensile modulus ⁽²⁾	800	MPa	ISO 527-2 1A
stress at yield	25	MPa	ISO 527-2 1A
THERMAL PROPERTIES			
Vicat Softening Temperature ⁽³⁾			
at 50 N (VST/B)	63	°C	ISO 306
at 10 N (VST/A)	128	°C	ISO 306

(1) Speed of testing: 50 mm/min

(2) Speed of testing: 1 mm/min

(3) Temperature rate: 120°C/h