

SABIC® PP 528K

Polypropylene Homopolymer

SABIC Americas, Inc.

Message:

Provisional - PP Homopolymer for Thermoforming
PP 528K is formulated with an advanced nucleating additive and was specially developed for in-line and off-line thermoforming applications. PP528K encompasses the following features:
High stiffness
Good clarity
Very good dimensional stability
Easy processability and faster cycling
Typical Applications
PP 528K is used for the production of various containers mainly for food and health drink products such as cups, trays and lids.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Processability		
	High Clarity		
	High Stiffness		
	Homopolymer		
	Nucleated		
Uses	Containers		
	Cups		
	Food Containers		
	Lids		
Forms	Pellets		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	45.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638

Flexural Modulus - 1% Secant (Injection Molded)	1850	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	120	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ²
NOTE			
1.	23°C		
2.	Rate B (120°C/h)		

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