



TECHNICAL DATASHEET

PP 528K

POLYPROPYLENE HOMOPOLYMER FOR THERMOFORMING

DESCRIPTION

SABIC® PP 528K is formulated with an advanced agent and is specially developed for in-line and off-line thermoforming applications.

PP 528K encompasses the following features: high stiffness, good clarity, very good dimensional stability, easy process ability and faster cycling.

TYPICAL APPLICATIONS

SABIC® PP 528K is used for the production of containers mainly for food and health drink products such as cups, trays and lids.

TYPICAL PROPERTY VALUES

Revision
20211203

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES ⁽¹⁾ | | | |
| Melt Flow Rate (MFR) | | | |
| at 230°C and 2.16kg | 3 | g/10 min | ASTM D1238 |
| Density | | | |
| at 23°C | 905 | kg/m ³ | ASTM D792 |
| MECHANICAL PROPERTIES ⁽²⁾ | | | |
| Tensile Properties | | | |
| Strength @ Yield | 37 | MPa | ASTM D638 |
| Elongation @ Yield | 10 | % | ASTM D638 |
| Flexural Modulus (1% Secant) | 1700 | MPa | ASTM D790 A |
| Izod Impact Strength | | | |
| notched, at 23°C | 35 | J/m | ASTM D256 |
| Rockwell Hardness, R-Scale | 102 | - | ASTM D785 |
| THERMAL PROPERTIES | | | |
| Vicat Softening Temperature | 150 | °C | ASTM D1525 |
| Heat deflection temperature at 455kPa | 112 | °C | ASTM D648 |