

## SABIC® PP 524P

POLYPROPYLENE HOMOPOLYMER  
REGION ASIA

### DESCRIPTION

SABIC® PP 524P is particularly developed for (biaxially) oriented PP film extrusion with a very specific molecular structure providing the ultimate properties required for the stretching process.

### TYPICAL APPLICATIONS

SABIC® PP 524P is typically used in mono layer or coextruded (B)OPP film. SABIC® PP 524P is known for its excellent metallisation behaviour. It can also be used as base material for plain film used for stationary, food bags, synthetic paper and heat sealable packaging films.

### TYPICAL PROPERTY VALUES

Revision 20210702

| PROPERTIES                                         | TYPICAL VALUES | UNITS    | TEST METHODS |
|----------------------------------------------------|----------------|----------|--------------|
| <b>POLYMER PROPERTIES</b>                          |                |          |              |
| <b>Melt Flow Rate (MFR)</b>                        |                |          |              |
| at 230 °C and 2.16 kg                              | 2              | g/10 min | ASTM D1238   |
| <b>Density</b>                                     |                |          |              |
| at 23 °C                                           | 905            | kg/m³    | ASTM D792    |
| <b>MECHANICAL PROPERTIES</b>                       |                |          |              |
| <b>Flexural Modulus (1% Secant) <sup>(1)</sup></b> | 1550           | MPa      | ASTM D790 A  |
| <b>Izod Impact Strength</b>                        |                |          |              |
| notched, at 23 °C                                  | 35             | J/m      | ASTM D256    |
| <b>Rockwell Hardness, R-Scale</b>                  | 102            | -        | ASTM D785    |
| <b>FILM PROPERTIES</b>                             |                |          |              |
| <b>Tensile Properties</b>                          |                |          |              |
| stress at yield                                    | 35             | MPa      | ASTM D638    |
| strain at yield                                    | 10             | %        | ASTM D638    |
| <b>THERMAL PROPERTIES</b>                          |                |          |              |
| <b>Vicat Softening Temperature</b>                 | 155            | °C       | ASTM D1525   |
| <b>Heat deflection temperature <sup>(2)</sup></b>  |                |          |              |
| at 455kPa                                          | 96             | °C       | ASTM D648    |

(1) Based on injection molded specimens.

(2) Flat wise (testbar 80\*10\*4mm)

### PROCESSING CONDITIONS

Typical processing conditions for 524P are:

Average extrusion temperature range may be kept at 245 - 255 °C.

### STORAGE AND HANDLING

Polypropylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50 °C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.

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