

# SABIC<sup>®</sup> PP 622L

PP RANDOM COPOLYMER

## DESCRIPTION

SABIC<sup>®</sup> PP 622L is a polypropylene random copolymer resin specifically designed for cast film applications. Products produced out of SABIC<sup>®</sup> PP 622L have a high clarity, excellent sealing performance and high puncture resistance. The molecular structure of this grade is tailored for high performance processing. SABIC<sup>®</sup> PP 622L contains anti-block and slip agent for low coefficient of friction. A grade without anti-block and slip agent is available as SABIC<sup>®</sup> PP 621P.

Applications: SABIC PP 622L is typically used in applications like food packaging, lamination film, stationary film, textile packaging, flower packaging, and hygiene packaging.

## TYPICAL PROPERTY VALUES

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

(1) Speed of testing: 50 mm/min

(2) Speed of testing: 1 mm/min

(3) Temperature rate: 120°C/h