

# Bapolene® PP5026

Polypropylene Copolymer  
Bamberger Polymers, Inc.

Message:

Polypropylene extrusion impact copolymer with excellent color and processability. This resin also has a superior balance of stiffness and impact strength. This product meets FDA regulation 21 CFR 177.1520 and is suitable for food contact applications.

| General Information                       |                         |                   |             |
|-------------------------------------------|-------------------------|-------------------|-------------|
| Features                                  | Copolymer               |                   |             |
|                                           | Food Contact Acceptable |                   |             |
|                                           | Good Colorability       |                   |             |
|                                           | Good Impact Resistance  |                   |             |
|                                           | Good Processability     |                   |             |
|                                           | Good Stiffness          |                   |             |
| Uses                                      | Corrugated Sheet        |                   |             |
| Agency Ratings                            | FDA 21 CFR 177.1520     |                   |             |
| Forms                                     | Pellets                 |                   |             |
| Processing Method                         | Extrusion               |                   |             |
|                                           | Injection Molding       |                   |             |
| Physical                                  | Nominal Value           | Unit              | Test Method |
| Density                                   | 0.902                   | g/cm <sup>3</sup> | ASTM D1505  |
| 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)               | 102                     |                   | ASTM D785   |
| Mechanical                                | Nominal Value           | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Yield)     | 26.9                    | MPa               | ASTM D638   |
| Flexural Modulus - 1% Secant              | 1320                    | MPa               | ASTM D790   |
| Impact                                    | Nominal Value           | Unit              | Test Method |
| Notched Izod Impact                       | 160                     | J/m               | ASTM D256   |
| Thermal                                   | Nominal Value           | Unit              | Test Method |
| Deflection Temperature Under Load         |                         |                   | ASTM D648   |
| 0.45 MPa, Unannealed                      | 75.0                    | °C                |             |
| 1.8 MPa, Unannealed                       | 46.0                    | °C                |             |
| NOTE                                      |                         |                   |             |
| 1.                                        | 51 mm/min               |                   |             |

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