

# Braskem PP D5001-80

Polypropylene Random Copolymer

Braskem America Inc.

Message:

Sub-group  
Random Copolymer  
Description  
High flow for processing ease, fast set-up, superior clarity and gloss, good mold release  
Applications  
Suggested uses include thin-wall injection molding processes, reusable food containers

| General Information                       |                         |          |             |
|---|-------------------------|----------|-------------|
| Features                                  | Food Contact Acceptable |          |             |
|   | Good Mold Release       |          |             |
|   | Good Processability     |          |             |
|   | High Clarity            |          |             |
|   | High Flow               |          |             |
|   | High Gloss              |          |             |
|   | Random Copolymer        |          |             |
| Uses                                      | Food Containers         |          |             |
|   | Thin-walled Containers  |          |             |
|   | Thin-walled Parts       |          |             |
| Agency Ratings                            | FDA 21 CFR 177.1520     |          |             |
| Forms                                     | Pellets                 |          |             |
| Processing Method                         | Injection Molding       |          |             |
| Physical                                  | Nominal Value           | Unit     | Test Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 80                      | g/10 min | ASTM D1238  |
| Mechanical                                | Nominal Value           | Unit     | Test Method |
| Tensile Strength <sup>1</sup> (Yield)     | 27.6                    | MPa      | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Yield)   | 10                      | %        | ASTM D638   |
| Flexural Modulus - 1% Secant <sup>3</sup> | 1030                    | MPa      | ASTM D790A  |
| Impact                                    | Nominal Value           | Unit     | Test Method |
| Notched Izod Impact (23°C)                | 48                      | J/m      | ASTM D256A  |
| NOTE                                      |                         |          |             |
| 1.  | 51 mm/min               |          |             |
| 2.  | 51 mm/min               |          |             |
| 3.  | 1.3 mm/min              |          |             |

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