

# Braskem PP C113-01

Polypropylene Impact Copolymer

Braskem Europe GmbH

Message:

Braskem C113-01 Polypropylene Impact Copolymer is a high performance impact copolymer developed for sheet extrusion and blow moulding applications.

Main Characteristics:

A good balance of stiffness and impact properties

Good processability

High melt strength

Complies with:

European Commission Regulation (EU) No 10/2011

Consult the regulations for complete details.

Applications:

Extruded sheet and boards

Extrusion profiles and pipes

Drainage and sewage pipes

Blow moulded containers

Paper lamination

| General Information                                |                 |                   |             |
|--|-----------------|-------------------|-------------|
| Agency Ratings                                     | EU No 10/2011   |                   |             |
| Forms  | Pellets         |                   |             |
| Processing Method                                  | Blow Molding    |                   |             |
|  | Sheet Extrusion |                   |             |
| Physical   | Nominal Value   | Unit              | Test Method |
| Density  | 0.900           | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)          | 0.90            | g/10 min          | ISO 1133    |
| Mechanical   | Nominal Value   | Unit              | Test Method |
| Tensile Stress (Yield, Injection Molded)           | 24.0            | MPa               | ISO 527-2   |
| Tensile Strain (Yield, Injection Molded)           | 15              | %                 | ISO 527-2   |
| Flexural Modulus (Injection Molded)                | 1100            | MPa               | ISO 178     |
| Impact   | Nominal Value   | Unit              | Test Method |
| Charpy Notched Impact Strength                     |                 |                   | ISO 179/eA  |
| 0°C, Injection Molded                              | 12              | kJ/m <sup>2</sup> |             |
| 23°C, Injection Molded                             | 60              | kJ/m <sup>2</sup> |             |
| Thermal  | Nominal Value   | Unit              | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 85.0            | °C                | ISO 75-2/B  |
| Vicat Softening Temperature                        | 146             | °C                | ISO 306/A   |

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