

# Daplen™ EG206AIB

Compounded Polypropylene

Borealis AG

## Message:

Daplen EG206AIB is a 22% mineral filled polypropylene compound intended for injection moulding.

| General Information                               |                                      |          |              |
|---------------------------------------------------|--------------------------------------|----------|--------------|
| Filler / Reinforcement                            | Mineral filler, 22% filler by weight |          |              |
| Features                                          | Rigid, good                          |          |              |
|                                                   | Gloss, low                           |          |              |
|                                                   | High scratch resistance              |          |              |
|                                                   | Impact resistance, good              |          |              |
|                                                   | Recyclable materials                 |          |              |
| Uses                                              | Application in Automobile Field      |          |              |
|                                                   | Car interior parts                   |          |              |
| Processing Method                                 | Injection molding                    |          |              |
| Physical                                          | Nominal Value                        | Unit     | Test Method  |
| Density (23°C)                                    | 1.08                                 | g/cm³    | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)         | 18                                   | g/10 min | ISO 1133     |
| Mechanical                                        | Nominal Value                        | Unit     | Test Method  |
| Tensile Stress (Yield, 23°C)                      | 21.0                                 | MPa      | ISO 527-2/50 |
| Tensile Strain (Yield, 23°C)                      | 4.0                                  | %        | ISO 527-2/50 |
| Flexural Modulus <sup>1</sup>                     | 2000                                 | MPa      | ISO 178      |
| Flexural Stress                                   | 30.0                                 | MPa      | ISO 178      |
| Impact                                            | Nominal Value                        | Unit     | Test Method  |
| Notched Izod Impact                               |                                      |          | ISO 180/1A   |
| -30°C                                             | 4.0                                  | kJ/m²    | ISO 180/1A   |
| 0°C                                               | 6.0                                  | kJ/m²    | ISO 180/1A   |
| 23°C                                              | 27                                   | kJ/m²    | ISO 180/1A   |
| Thermal                                           | Nominal Value                        | Unit     | Test Method  |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 56.0                                 | °C       | ISO 75-2/Ae  |
| Vicat Softening Temperature                       | 53.0                                 | °C       | ISO 306/B50  |
| Flammability                                      | Nominal Value                        | Unit     | Test Method  |
| Flammability (1.00 mm)                            |                                      | mm/min   | ISO 3795     |
| Injection                                         | Nominal Value                        | Unit     |              |
| Mold Temperature                                  | 30.0 - 50.0                          | °C       |              |
| Holding Pressure                                  | 30.0 - 60.0                          | MPa      |              |

#### Injection instructions

Feeding Temperature: 40 - 80 °C Mass Temperature: 220 - 260 °C Back Pressure: Low to Medium Screw Speed: Low to Medium Flow Front Speed: 100 - 200 mm/s

#### NOTE

1. 2.0 mm/min

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