

# MBA PP 2131

Polypropylene Copolymer

MBA Polymers

Message:

A post-consumer recycled polypropylene copolymer for general use. Available in standard grey (reference 70/15) and standard black (reference 90/04).

| General Information |                   |
|---------------------|-------------------|
| Recycled Content    | Yes               |
| Features            | Copolymer         |
| Uses                | General Purpose   |
| Appearance          | Black             |
|                     | Grey              |
| Forms               | Pellets           |
| Processing Method   | Extrusion         |
|                     | Injection Molding |

| Physical                                  | Nominal Value | Unit              | Test Method     |
|-------------------------------------------|---------------|-------------------|-----------------|
| Density                                   | 0.920         | g/cm <sup>3</sup> | Internal Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0           | g/10 min          | ISO 1133        |
| Mechanical                                | Nominal Value | Unit              | Test Method     |
| Tensile Modulus (23°C)                    | 1350          | MPa               | ISO 527-2/1     |
| Tensile Stress (Yield, 23°C)              | 24.0          | MPa               | ISO 527-2/50    |
| Flexural Modulus (23°C)                   | 1500          | MPa               | ISO 178         |
| Impact                                    | Nominal Value | Unit              | Test Method     |
| Charpy Notched Impact Strength (23°C)     | 5.5           | kJ/m <sup>2</sup> | ISO 179/1eA     |
| Notched Izod Impact Strength (23°C)       | 6.0           | kJ/m <sup>2</sup> | ISO 180/1A      |
| Thermal                                   | Nominal Value | Unit              | Test Method     |
| Vicat Softening Temperature               | 80.0          | °C                | ISO 306/B50     |
| Injection                                 | Nominal Value | Unit              |                 |
| Drying Temperature                        | 80.0          | °C                |                 |
| Drying Time                               | 1.0 to 2.0    | hr                |                 |
| Suggested Max Moisture                    | 0.050 to 0.10 | %                 |                 |
| Processing (Melt) Temp                    | 190 to 220    | °C                |                 |
| Mold Temperature                          | 30.0 to 60.0  | °C                |                 |
| Extrusion                                 | Nominal Value | Unit              |                 |
| Drying Temperature                        | 80.0          | °C                |                 |
| Drying Time                               | 1.0 to 2.0    | hr                |                 |
| Suggested Max Moisture                    | 0.050 to 0.10 | %                 |                 |

Melt Temperature

180 to 210

°C

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#### Recommended distributors for this material

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