

# REVOLVE® N-266

Ethylene-based Plastomer

Matrix Polymers

Message:

Revolve N-266 is a Rotomoulding based octene plastomer produced in a solution polymerisation process using a metallocene catalyst. It is designed for applications requiring excellent flow, high flexibility, outstanding toughness and excellent low temperature impact.

| General Information                               |                                   |                   |              |
|---|-----------------------------------|-------------------|--------------|
| Features  | Good Flexibility                  |                   |              |
|   | Good Flow                         |                   |              |
|   | Good Toughness                    |                   |              |
|   | Low Temperature Impact Resistance |                   |              |
| Appearance  | Black                             |                   |              |
|   | Colors Available                  |                   |              |
|   | Natural Color                     |                   |              |
| Forms   | Pellets                           |                   |              |
| Processing Method                                 | Rotational Molding                |                   |              |
| Physical  | Nominal Value                     | Unit              | Test Method  |
| Density   | 0.902                             | g/cm <sup>3</sup> | ISO 1183     |
| Melt Mass-Flow Rate (MFR)                         | 30                                | g/10 min          | ISO 1133     |
| Environmental Stress-Cracking Resistance          |                                   |                   | ASTM D1693   |
| 10% Igepal  | > 500                             | hr                |              |
| 100% Igepal                                       | > 1000                            | hr                |              |
| Mechanical  | Nominal Value                     | Unit              | Test Method  |
| Tensile Stress (Yield)                            | 1.30                              | MPa               | ISO 527-2/50 |
| Flexural Modulus <sup>1</sup>                     | 7.00                              | MPa               | ISO 178      |
| Impact  | Nominal Value                     | Unit              | Test Method  |
| Low Temperature Impact - ARM (3.00 mm)            | 115                               | J                 |              |
| Thermal   | Nominal Value                     | Unit              | Test Method  |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 35.0                              | °C                | ISO 75-2/A   |
| NOTE  |                                   |                   |              |
| 1.  | 1.3 mm/min                        |                   |              |

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