

Riblene® GM 30

Low Density Polyethylene

Versalis S.p.A.

Message:

Riblene GM 30 is a medium fluidity low density polyethylene resin (LDPE).

Main Application

Riblene GM 30 is suitable for coating applications where low neck-in and high manufacturing speed are required.

Moreover, for its rheological properties, Riblene GM 30 can be used for injection moulded high thickness articles, caps, closures, stoppers and houseware.

| General Information | | | |
|--|-------------------------------------|-------------------|-------------|
| Features | Fast Molding Cycle | | |
| | Food Contact Acceptable | | |
| | Low Density | | |
| | Low Neck-In | | |
| | Medium Flow | | |
| Uses | Caps | | |
| | Closures | | |
| | Coating Applications | | |
| | Household Goods | | |
| | Thick-walled Parts | | |
| Agency Ratings | EU Food Contact, Unspecified Rating | | |
| Forms | Pellets | | |
| Processing Method | Coating | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.923 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 4.0 | g/10 min | ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore D, Injection Molded) | 48 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ISO 527-2 |
| Yield, Injection Molded | 11.0 | MPa | |
| Break, Injection Molded | 13.0 | MPa | |
| Tensile Strain (Break, Injection Molded) | 450 | % | ISO 527-2 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -75.0 | °C | ASTM D746 |
| Vicat Softening Temperature | 94.0 | °C | ISO 306/A |

| | | | |
|---------------------|---------------|------|-----------------|
| Melting Temperature | 113 | °C | Internal Method |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 260 to 330 | °C | |

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