

Riblene® MP 30

Low Density Polyethylene

Versalis S.p.A.

Message:

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

Parts made by Riblene® MP 30 are characterised by a medium rigidity.

Riblene® MP 30 is suitable for injection moulding and compound applications. Riblene® MP 30 is recommended for houseware, high gloss toys and medium thickness articles.

| General Information | | | |
|--|-------------------------------------|-------------------|-----------------|
| Features | Food Contact Acceptable | | |
| | High Gloss | | |
| | Low Density | | |
| | Medium Flow | | |
| | Medium Rigidity | | |
| Uses | Compounding | | |
| | Household Goods | | |
| | Toys | | |
| Agency Ratings | EU Food Contact, Unspecified Rating | | |
| Forms | Pellets | | |
| Processing Method | Compounding | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.925 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 7.5 | g/10 min | ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore D, Injection Molded) | 50 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield, Injection Molded) | 12.0 | MPa | ISO 527-2 |
| Flexural Modulus (Injection Molded) | 200 | MPa | ISO 178 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -65.0 | °C | ASTM D746 |
| Vicat Softening Temperature | 92.0 | °C | ISO 306/A |
| Melting Temperature | 112 | °C | Internal Method |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 160 to 200 | °C | |
| Middle Temperature | 160 to 200 | °C | |

| | | |
|-------------------|------------|----|
| Front Temperature | 160 to 200 | °C |
|-------------------|------------|----|

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