

LITEN FB 10

Polyethylene Copolymer

UNIPETROL RPA

Message:

LITEN FB 10 is a linear polyethylene, copolymer, intended for manufacture of tubular films of 0,010 mm thickness. Its well balanced properties combine good processability with high strength and fineness of the manufactured films. Typical application is manufacture of thin packaging sacks for foodstuffs, shopping bags, packages for industrial goods, fine films substituting paper, etc.

LITEN FB 10 meets the hygienic requirements on materials and articles intended for contact with foodstuffs according to Regulation (EC) 1935/2004 of the European Parliament and of the Council, as well as according to Commission Regulation (EU) No 10/2011 including changes and additions.

| General Information | | | |
|--|-------------------------|-------------------|-------------|
| Features | Copolymer | | |
| | Food Contact Acceptable | | |
| | Good Processability | | |
| | High Strength | | |
| Uses | Bags | | |
| | Film | | |
| | Food Packaging | | |
| | Industrial Applications | | |
| | Packaging | | |
| Agency Ratings | EC 1935/2004 | | |
| | EU 10/2011 | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.942 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) | | | ISO 1133 |
| 190°C/2.16 kg | 0.10 | g/10 min | |
| 190°C/21.6 kg | 12 | g/10 min | |
| 190°C/5.0 kg | 0.55 | g/10 min | |
| Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50) | 1000 | hr | ASTM D1693 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore D) | 57 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 20.0 | MPa | ISO 527-2 |
| Tensile Strain (Yield) | 10 | % | ISO 527-2 |
| Flexural Modulus | 800 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | | | ISO 179 |

| -30°C | 4.0 | kJ/m ² | |
|-----------------------------|---------------|-------------------|-------------|
| 23°C | 13 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 118 | °C | ISO 306 |

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