

Technical Data Sheet

IPETHENE® 323

Low Density Polyethylene

Description

IPETHENE® 323 is a general purpose low density polyethylene film extrusion grade. It contains a high level of anti-blocking and slip additives. It is BHT free. It exhibits a good balance between mechanical and optical properties.

Applications

IPETHENE® 323 is mainly used to produce 25 to 80µm films for the applications of general purpose films, Form-Fill-Seal packaging, and packaging of textile products.

Quality, Environment and Safety Regulations

Material Safety Data Sheets and Product Safety declarations are available on our web site <http://www.caol.co.il>

| Properties | | Method | Typical Value* | Unit |
|--------------------------|--------------------|------------|----------------|-------------------|
| Melt Flow Rate | (190°C/2.16Kg) | ISO 1133 | 2 | g/10min |
| Density | | ISO 1183-A | 0.920 | g/cm ³ |
| Film Properties** | | | | |
| Dart Drop Impact | (F ₅₀) | ISO 7765-A | 125 | g |
| Tensile Stress at Break | (MD/TD) | ISO 1184 | 22/15 | MPa |
| Tensile Strain at Break | (MD/TD) | ISO 1184 | 230/500 | % |
| Elmendorf Tear Strength | (MD/TD) | ISO 6383-2 | 600/250 | g |
| Haze | | ASTM D | 7 | % |
| Gloss | (45°) | ASTM D | 65 | |

*Typical values; not to be construed as specifications.

**Measured on 50µm blown film, BUR 2:1, output 80 Kg/h, melt temperature ~160°C.

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