

Technical Data Sheet

CAPILENE[®] MT 34 EC

Specialty Polypropylene for Extrusion Coating

Description

CAPILENE[®] MT 34 EC is a special polypropylene designed for high speed extrusion coating and lamination.

CAPILENE[®] MT 34 EC features: excellent processability, low coating weight, low neck-in, good adhesion to various substrates, high temperature resistance, good moisture barrier and good organoleptic properties.

Applications

CAPILENE[®] MT 34 EC is suitable for: coating and lamination of paper, paperboards, plastic films, woven and non woven polypropylene based fabrics.

Quality, Environment and Safety Regulations

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

Typical Extrusion Coating Conditions

CAPILENE[®] MT 34 EC can be processed by commercial extrusion coating equipments within melting temperature range of 280-330°C.

A standard temperature setting profile for an extrusion coating line with 90 mm extruder screw diameter and 32D screw length would be:

Extruder: 230 – 260 – 280 – 300 – 320°C

Adapter and screen changer: 310°C

Feed block: 310°C

Die-head: 310°C

A nip distance from die to chill-roll of 150 to 220mm is recommended.

| Properties | | Method | Typical Value* | Unit |
|-------------------------------|----------------|---------------|-----------------------|-------------------|
| Physical | | | | |
| Melt Flow Rate | (230°C/2.16Kg) | ISO 1133 | 25 | g/10min |
| Density | | ISO 1183 | 0.91 | g/cm ³ |
| Mechanical | | | | |
| Flexural Modulus | (5mm/min) | ISO 178 | 1000 | MPa |
| Izod Impact Strength, notched | (+23°C) | ISO 180 | 3 | KJ/m ² |
| Thermal | | | | |
| Vicat Softening Temperature | (10N) | ISO 306 | 126 | °C |
| Heat Deflection Temperature | (0.45MPa) | ISO 75-2 | 65 | °C |

**Typical values; not to be construed as specifications.*