

Technical Data Sheet

EGYPELENE™ FM525J

Polypropylene, Homopolymer

Product Description

EGYPELENE™ FM525J is a polypropylene Homo Polymer suitable for production of biaxially oriented polypropylene films (BOPP). The product is suitable for metallizable film, both as monolayer and in coextruded structures. It contains a standard processing stabilization but does not contain any slip, anti-blocking agents and no Calcium Stearate. EGYPELENE™ FM525J offers good optical, easy processing and very good film profile.

Product Characteristics

Processing Methods

BOPP, Thermoforming

Features

Good transparency, Good gloss, High stiffness, Good optical properties Calcium stearate free, Phthalate free, Reactor grade, Good processability and Good color stability

Typical Customer Applications

Thermoformed Food Containers Food packaging: biscuits, chocolates, chips, baked foods, pasta, snack foods, pet foods etc. Non-food packaging: soaps, detergents and textile bags.

| Typical Properties | Normal Value | Units | Test Methods |
|--|--------------|----------|--------------|
| Physical | | | |
| Melt flow | 3 | g/10 min | ISO 1133 |
| Density | 0.9 | g/cc | ISO 1183 |
| Mechanical | | | |
| Flexural Modulus | 1350 | Mpa | ISO 178 |
| Tensile Stress at Break, (23 °C, 50mm/min) | 20 | Mpa | ISO 527 |
| Tensile Stress at Yield, (23 °C, 50mm/min) | 32 | Mpa | ISO 527 |
| Tensile Strain at Yield, (23 °C, 50mm/min) | 10 | % | ISO 527 |
| Thermal | | | |
| Vicat Softening Temperature | 153 | °C | ISO 306 |

Regulatory Information

Egyptian Propylene & Polypropylene Company© certify that the above product is in compliance with the USA FDA code of Federal Regulations (CFR 21) section 177.1520 (C) 1.1 and is suitable for use in articles that contact food also is in compliance with the EU Regulation 10/2011 as amended.

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