PAKRO KİMYA
Plastik Hammadde Çözüm Ortağınız

Lotrène® FD0274

LOW DENSITY POLYETHYLENE

DESCRIPTION

Lotrène® F0274 is mainly recommended for the extrusion of thin film for light and medium duty applications. It contains both slip agent and antiblocking additives.

PROPERTIES

The suitable molecular structure of Lotrène® F0274 makes it possible to produce very thin, clear and glossy films.

Lotrène® F0274 gives films of especially good dimensional stability with easy sealing no matter what type of machine is used.

POLYMER PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow Index	2.4	g/10min.	ASTM D-1238
Density @ 23°C	0.923	g/cm³	ASTM D-1505
Crystalline Melting Point	111	°C	ASTM E-794
Vicat Softening Point	94	°C	ASTM D-1525

FILM PROPERTIES	VALUE	UNIT	TEST METHOD
Tensile Strength @ Yield MD/TD	14/11	MPa	ASTM D-882
Tensile Strength @ Break MD/TD	22/21	MPa	ASTM D-882
Elongation @ Break MD/TD	470/570	%	ASTM D-882
Impact Strength, F50	110	G	ASTM D-1709
Coefficient of Friction	0.10	-	ASTM D-1894
Haze	6.5	%	ASTM D-1003
Gloss (@45°)	75	GU	ASTM D-2457
Clarity	85	%	ASTM D-1746

(The above properties are measured on a blown film of 50µ, @2.5 BUR)

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Note: The values given in this technical datasheet are the results of tests carried out in accordance with standard test procedures. They are given as indication to enable customers to make the best use of our products but must be considered as average values provided without implying any undertaking on our part.

PROCESSING

Lotrène® F0274 can be easily processed on all types of extruders to make blown or cast films.

The melt temperature is suggested to be in the range of 140-150°C.

The best properties of the blown film are achieved at blow up ratios between 2.5:1 and 3.5:1.

To avoid blocking and shrinkage on the reel, the temperature at the nip rolls and take-off should be kept as close as possible to the ambient temperature. The recommended thickness range is from 25µm 100µm.

APPLICATIONS

- Thin transparent film
- Food Packaging
- High clarity film
- Lamination film

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SAFETY AND STORAGE

Under normal conditions Lotrène® F0274 does not present a toxic hazard through skin contact or inhalation. During processing, contact with molten polymer and inhalation of volatilized fumes should be avoided.

Lotrène® F0274 complies with food grade regulations FDA, 21 FR chapter 177-1520 'Olefin Polymers'. Items made from this grade do not transmit tests nor odor to the material in contact with.

Lotrène® F0274 is inflammable and combustible (category 3) according to ISO R1210.

Lotrène® F0274 is supplied in plastic bags of 25kg (net weight) each. The bags are stacked and shrink wrapped on pallets of 1500kg each (net weight). The product is forwarded either by trucks or in 20-foot sea containers.

Lotrène® F0274 should not be stored for more than three months nor be exposed to direct sunlight and/or heating during storage since this may adversely affect the properties of the product.