
Lotrene ® FD0274
LOW DENSITY POLYETHYLENE

DESCRIPTION:

Lotrene ® FD0274 is mainly recommended for the extrusion of thin film for light and medium duty applications. It contains both slip agent and anti blocking devise.

PROPERTIES:

The suitable molecular structure of Lotrene ® FD0274 makes it possible to produce very thin, clear and glossy films.

Lotrene ® FD0274 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

POLYMER 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 – 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 50 µ, @ 2.50 BUR)