

Lotrene® FB3003
LOWDENSITY POLYETHYLENE

DESCRIPTION

Lotrene® FB3003 is an additive free grade mainly recommended for heavy duty film applications.

PROPERTIES

Lotrene® FB3003 has a suitable molecular structure to produce film with excellent mechanical properties, outstanding shrink properties. It has a high stress cracking resistance.

POLYMER PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow index	0.30	g/10 min	ASTM D-1238
Density @ 23 'C	0.920	g/cm3	ASTM D-1505
Crystalline Melting Point	109	'C	ASTM E-794
Vicat Softening Point	95	' C	ASTM D-1525

FILM PROPERTIES	VALUE	UNIT	TEST METHOD
Tensile Strength @Yield MD/TD	16/11	MPa	ASTM D-882
Tensile Strength @Break MD/TD	25/25	Mpa	ASTM D-882
Elongation @ Break MD/TD	550/600	%	ASTM D-882
Impact Strength, F 50	220	G	ASTM D-1709
Coefficient of Friction	0.50	-	ASTM D-1894
Haze	13	%	ASTM D-1003
Gloss (@45')	40	GU	ASTM D-2457
Clarity	25	%	ASTM D-1746

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