

# HDPE FILM

## HD 5301 FB

HD 5301 FB\* is a high density polyethylene grade with a broad molecular weight distribution. This grade has been especially developed for the production of very thin film with high tensile strength and stiffness.

HD 5301 FB has the following characteristics:

- Excellent drawdown capability.
- Good extrudability.
- High stiffness.
- High tensile strength.



## Applications

- Strong thin film.
- Carrier bags.
- Grocery sacks.

## TYPICAL PROPERTIES

Property/Grade	Test Method	Unit of measurement	Value
Melt flow rate ( 2.16 Kg )	ISO 1133	g/10 min	0.05
Density	ISO 1872/1	Kg/m <sup>3</sup>	953
Tensile strength at yield MD/TD	ISO R 1184	MPa	32/29
Tensile strength at break MD/TD	ISO R 1184	MPa	57/65
Elongation at break MD/TD	ISO R 1184	%	450/400
Tear strength MD/TD	ASTMD 1922-67	g/25 mic	20/28
Dart impact strength	ASTMD 1709-75	g	130

Film properties were measured on 15 micron film extruded at a blow up ratio 5 : 1.

\* FB: Low gel film.