

# BLOWN 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 6070 UA has the following characteristics :

1. *Excellent drawdown ability*
2. *Good extrudability*
3. *High tensile strength*
4. *High stiffness.*

### Applications :

1. *Strong thin film*
2. *Carrier bag*
3. *Grocery sacks*

### TYPICAL PROPERTIES

Property	Unit	Method of test	Value
<b>Melt flow rate(2.16Kg)</b>	g/10 min	ISO 1133	0.05
<b>Density</b>	Kg/m <sup>3</sup>	ISO 1183-2	953
<b>Tensile strength at yield MD/ TD</b>	MPa	ISO 527 1&3	32/29
<b>Tensile strength at break MD/ TD</b>	MPa	ISO 27 1&3	57/65
<b>Elongation at break MD/TD</b>	%	ISO 527 1&3	450/400
<b>Dart drop impact</b>	g	ASTM D 1709	130

**AA:** Stabilisation – **KJ:** High Slip Antiblock – **AF:** Processing Aid – **LJ:** Medium Slip, High Antiblock – **FB:** Low Gel Film – **EA:** Standard unmodified except for antioxidant – **GA:** Gas Phase Process – **UA:** UV Stabilisation

Film properties:

Thickness: 15 microns, Max. Output rate: 50 kg/hr, Blow up ratio 5:1 (100\* 1.2 mm die)