

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 5301 FB 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

<i>Property</i>	<i>Unit</i>	<i>Method of test</i>	<i>Value</i>
<i>Melt flow rate(2.16Kg)</i>	g/10 min	ISO 1133	0.05
<i>Density</i>	Kg/m ³	ISO 1183-2	951
<i>Tensile strength at yield MD/ TD</i>	MPa	ISO 527 1&3	32/29
<i>Tensile strength at break MD/ TD</i>	MPa	ISO 27 1&3	57/65
<i>Elongation at break MD/TD</i>	%	ISO 527 1&3	450/400
<i>Dart drop impact</i>	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)