

Sidi Kerir Petrochemicals Company (Sidpec)

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

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