

BLOWN FILM

HD 5301 FB

Food Approved

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 drawability*
2. *good extrudability*
3. *high tensile strength*
4. *high stiffness.*

Applications :

1. *strong thin film*
2. *carrier bag*
3. *grocery sacks*

TYPICAL PROPERTIES

Property	Value	Unit	Method of test
Melt flow rate(2.16Kg)	0.05	g/10 min	ISO 1133
Density	953	Kg/m ³	ISO 1872/1
Tensile strength at yield MD	32	MPa	ISO 1184
TD	29		
Tensile strength at break MD	56	MPa	ISO 1184
TD	65		
Elongation at break MD/TD	450/400	%	ISO 1184
Drat drop impact	150	g	ASTM D 1709

BLOWN FILM

LL 0209 AA

Food Approved

LL 0209 AA is a LLDPE copolymer with butane as comonomer which contains antioxidant. It is recommended for general purpose application. It is suitable for blending with conventional LDPE.

Film made from pure LL0209 AA has the following advantages over conventional LDPE.

LL 0209 AA has the following characteristics :

1. *better sealing, higher puncture resistance*
2. *greater drawdown capability*
3. *higher tensile strength.*

Applications :

1. *heavy duty sacks, agriculture films, liners*
2. *produce bags, stretch film*

TYPICAL PROPERTIES

Property	Value	Unit	Method of test
Melt flow rate(2.16Kg)	0.9	g/10 min	ISO 1133
Density	920	Kg/m ³	ISO 1872/1
Tensile strength at yield MD	10	MPa	ISO 1184
TD	11		
Tensile strength at break MD	41	MPa	ISO 1184
TD	32		
Elongation at break MD/TD	620/840	%	ISO 1184
Tear strength MD/TD	145/370	g/25 μ	ASTM D 1922
Drat drop impact	150	G	ASTM D 1709

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

BLOWN FILM

LL 0209 KJ

LL 0209 KJ is a LLDPE copolymer with butane as comonomer which contains antioxidant, slip and antiblock additives. It gives film of high slip which is easily separable. It is recommended for general purpose applications. It is suitable for blending with conventional LDPE.

Film made from pure LL0209 KJ has the following advantages over conventional LDPE.

LL 0209 KJ has the following characteristics :

1. *easier sealing,*
2. *greater drawdown capability*
3. *higher tensile strength.*
4. *higher puncture resistance.*

Applications :

1. *refuse sacks*
2. *produce bags, carrier bags.*

TYPICAL PROPERTIES

Property	Value	Unit	Method of test
Melt flow rate(2.16Kg)	0.9	g/10 min	ISO 1133
Density	921	Kg/m ³	ISO 1872/1
Tensile strength at yield MD	10	MPa	ISO 1184
TD	11		
Tensile strength at break MD	41	MPa	ISO 1184
TD	32		
Elongation at break MD/TD	620/840	%	ISO 1184
Tear strength MD/TD	145/370	g/25 μ	ASTM D 1922
Drat drop impact	150	G	ASTM D 1709

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

CAST AND BLOWN FILM

LL 0220 AA

LL 0220 AA is a LLDPE copolymer with butane as comonomer which contains antioxidant, This grade is suitable for the production of blown film for light duty applications and the production of cast stretch film.

Film made from pure LL 0220 AA can be produced at higher output compared to standard IMFR

Application

1. high and medium duty film

2. stretch film

TYPICAL PROPERTIES

Property	Value	Unit	Method of test
Melt flow rate(2.16Kg)	2.5	g/10 min	ISO 1133
Density	920	Kg/m ³	ISO 1872/1
Tensile strength at yield MD	10	MPa	ISO 1184
TD	11		
Tensile strength at break MD	36	MPa	ISO 1184
TD	28		
Elongation at break MD/TD	600/800	%	ISO 1184
Tear strength MD/TD	120/350	g/25μ	ASTM D 1922
Drat drop impact	120	G	ASTM D 1709
Vicat softening T°	93	°C	ISO 306

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

CAST AND BLOWN FILM

LL 0220 KJ

LL 0220 KJ is a LLDPE copolymer with butane as comonomer which contains antioxidant, slip and antiblock additives. This grade is suitable for the production of blown film for light duty applications with a high slip requirement.

Film made from pure LL 0220 KJ can be produced at higher output compared to standard IMFR LDPE butene copolymers.

Application

1. hight and medium duty film

TYPICAL PROPERTIES

Property	Value	Unit	Method of test
Melt flow rate(2.16Kg)	2.2	g/10 min	ISO 1133
Density	921	Kg/m ³	ISO 1872/1
Tensile strength at yield MD	10	MPa	ISO 1184
TD	11		
Tensile strength at break MD	36	MPa	ISO 1184
TD	28		
Elongation at break MD/TD	600/800	%	ISO 1184
Tear strength MD/TD	120/350	g/25μ	ASTM D 1922
Drat drop impact	130	g	ASTM D 1709
Vicat softening T°	93	°C	ISO 306