



AYLER POLYMER

High density polyethylene

FILM grades

www.aylerpolymer.ir



HDPE

High Density Polyethylene (HDPE) is an inexpensive, milky white, semi-transparent plastic thermoplastic that is better than LDPE in terms of flexibility and durability, and .has better impact resistance

HDPE films are tougher than other polyethylene films, which is an important feature for packaging that needs to retain its shape. These materials can easily be combined with other polymers such as polyolefin, fillers and pigments and change their .properties



EX5

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.949	ISO 1183
Melt flow rate(190 c/5.06kg)	g/10 min	0.28	ISO 1133
Melt flow rate(190 c/21.16kg)	g/10 min	8	ISO 1133
FRR(21.6/5)	-	30	-

5110HF

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.951	ISO 1183
Melting Temperature	C°	132	ISO 3146
Melt flow rate(190 c/21.16kg)	g/10 min	10	ISO 1133
Tensile Stress at Yield	MPa	26	ISO 527-1,2

F7000

Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.952	ISO 1183
Melt flow rate(190 c/2.16kg)	g/10 min	0.04	ISO 1133
Melting Temperature	C°	131	ISO 3146
Tensile Stress at Yield	MPa	27	ISO 527-1,2

HDPE FILM

high density polyethylene

Transparent granules

natural color

in 25 kg Bags



EX5

h“EX5 (GM 9450 F)” is a high Density polyethylene with Butene-1 as comonomer. It is a high molar mass

for blown lm with in comparison to EX4 lower stiffness and increased tenacity .The product has good

toughness,low gel level and good tear strength. Stabilization: Ca-Stearate, Zn-Stearate, Irgafos168

Features

- increased tenacity The
 - good toughness
 - low gel level
 - good tear strength

Applications

- Food Grade
 - Blending partner
 - . Suitable for counter bags.
 - Blown films with paper like quality
 - Carrier bags
 - Wrapping films and sheetsw

5110HF

HFI 5110 is a high molecular weight, high-density polyethylene with broad molecular weight

distribution and 1-hexene as a co-monomer, specially developed for producing thin films with excellent

strength and rigidity. This product is suitable for manufacturing of high strength grocery sacks, shopping

bags and high quality thin films for uni/multi-wall packaging. Films produced with this grade can be

readily treated and printed to give high quality graphics. HFI 5110 has been manufactured under Basell license.

Features

- High tear resistance
- High melt stability
- High quality graphic printinge

Applications

- Blown film extrusion- Uni/multi wall packaging- High quality thin films- Shopping bagsHigh strength grocery sacks

F7000

HDPE 7000F is a high density polyethylene copolymer with Butane 1as co monomer which is used for

high quality film application. it has Bi-modal design of molecular composition and offers both

.process ability and superior mechanical propertise.

Features

- Excellent mechanical strength and high stiffness Excellent processability (at high speed) Tissuelike

Applications

- film, garment/grocery/merchandise bags, disposal waste bags, counter bags, grocery sacks, trash bags

AYLER POLYMER

produce and provides all grade of HDPE



+98 939 410 4578
+98 939 957 1392



www.aylerpolymer.ir



3th Floor, Plaza building
unit 28 novbahar Street
KERMANSHAH, IRAN

