



HDPE 5110

High Density Polyethylene · Blown Film Grade

Also traded as HFI5110 · Origin: Iran

HLMI (190 °C / 21.6 KG)

10 g/10 min

DENSITY

0.951 g/cm³

PROCESS

Blown Film

TEAR TD

800 mN

PRODUCT DESCRIPTION

HDPE 5110 is a high-molecular-weight, high density polyethylene with broad molecular weight distribution and 1-hexene comonomer, developed for thin films with excellent strength and rigidity. Films are readily treated and printed for high-quality graphics.

- High tear resistance
- Excellent printability
- High melt stability
- 1-hexene copolymer

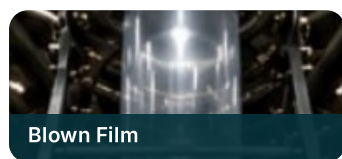
PROCESSING GUIDE

Process	Blown film extrusion
Extruder profile	200 – 235 °C
Blow-up ratio	3 – 5
Film thickness	15 – 50 µm

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
High Load Melt Flow Index (190 °C / 21.6 kg)	ISO 1133	g/10 min	10
Density	ISO 1183	g/cm ³	0.951
MECHANICAL			
Tensile Modulus	ISO 527-1, -2	MPa	1050
Tensile Stress at Yield	ISO 527-1, -3	MPa	26
Tensile Strain at Yield	ISO 527-1, -3	%	10
FILM (20 MM)			
Tensile Strength MD / TD	ISO 527-1, -3	MPa	55 / 55
Strain at Break MD / TD	ISO 527-1, -3	%	580 / 620
Elmendorf Tear MD / TD	ISO 6383-2	mN	250 / 800
THERMAL			
Melting Temperature	ISO 3146	°C	132
Vicat Softening Temperature (A/10 N)	ISO 306	°C	127

APPLICATIONS



Blown Film



Shopping Bags



Packaging Film



Thin Films

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



Get Today's Price

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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

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The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.

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