



BEHDAD PLAST

HIGH DENSITY POLYETHYLENE

HDPE Film Grade – HFI5110

HFI5110 is a high molecular weight, high-density polyethylene with broad molecular weight distribution. It is specifically engineered for blown film applications that require excellent processability, high mechanical strength, and superb tear resistance.

No.	PROPERTY	VALUE	TEST METHOD
1	High Load Melt Flow Index (190 °C/21,6kg)	10	ISO 1133
2	Density	0,951	ISO 1183
3	Tensile Modulus of Elasticity	1050	ISO 527-1,-2
4	Tensile Strength (MD)	55	ISO 527-1,-3
5	Tensile Strain at Break (MD)	55	ISO 527-1,-3
6	Tensile Strain at Break (TD)	580	ISO 527-1,-3
7	Tensile Stress at Yield (MD)	26	ISO 527-1,-3
8	Tensile Stress at Yield (TD)	26	ISO 527-1,-3
9	Elmendorf Tear Strength (MD)	250	ISO 6383-2
10	Elmendorf Tear Strength (TD)	800	ISO 6383-2

Applications:

- High-quality blown films
- Mono- and multilayer packaging films
- Shopping bags
- High-strength grocery sacks
- Agricultural films

Manufacturer:

Arya Sasol Petrochemical Company

Packaging:

25 kg PE bags – Palletized
Optional: Jumbo Bags available upon request



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