

high density polyethylene

HFI5110 is a high molecular weight, high-density polyethylene with broad molecular weight distribution specially developed for producing thin films with excellent strength and rigidity.

Applications:

Blown films extrusion, uni/multi wall packing. high quality thin films shopping bags high strength grocery sacks

NO.	Property	Value	Unit	Test Method
1	High Load Melt Flow Index (190°C/21.6kg)	10	g/10 min	ISO 1133
2	Density	0.951	g/cm ³	ISO 1183
3	Tensile Modulus of Elasticity	1050	MPa	ISO 527-1,2
4	Tensile Strength (MD)	55	MPa	ISO 527-1,3
5	Tensile Strength (TD)	55	MPa	ISO 527-1,3
6	Tensile Strain at Break (MD)	580	%	ISO 527-1,3
7	Tensile Strain at Break (TD)	620	%	ISO 527-1,3
8	Tensile Stress at Yield (MD)	26	MPa	ISO 527-1,3
9	Tensile Stress at Yield (TD)	10	MPa	ISO 527-1,3
10	Elmendorf Tear Strength (MD)	250	mN	ISO 6383-2
11	Elmendorf Tear Strength (TD)	800	mN	ISO 6383-2



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