



HFI5110

high density polyethylene

HFI 5110 is a high molecular weight , high-density polyethylene with broad molecular weight distribution specially developed for producing thin films with excellent strength and rigidity.

Producer:

Arya Sasol Petrochemical Company

No	Property	Value	Units	Test Method
1	High Load Melt Flow Index (190°C/21.6kg)	10	g/10min	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	%	ISO 527-1,-3
10	Elmendorf Tear Strength (MD)	250	mN	ISO 6383-2
11	Elmendorf Tear Strength (TD)	800	mN	ISO 6383-2

Applications:

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

