

INTRODUCTION OF PETROCHEMICAL PRODUCTS
HIGH DENSITY POLYETHYLENE (H.D.P.E)

HCH 5110 (HF5110)

FILM GRADE / ARIYA-SASOL Pet.Co.

DATASHEET	VALUE	UNIT	TEST CONDITIONS	TEST METHOD
Density	0.951	g/cm ³	at +23°C	ISO 1183
MFI	10	g/10min	At 21.6Kg Load , 190°C	ISO 1133
Film Elongation at Break, MD	580	%		ISO 527
Film Elongation at Break, TD	620	%		ISO 527
Film Tensile Strength at Break, MD	55	MPa		ISO 527
Film Tensile Strength at Break, TD	55	MPa		ISO 527
Tear Propagation Resistance, MD	25.49	gram-force	Elmendorf method	ISO 6383
Tear Propagation Resistance, TD	81.57	gram-force	Elmendorf method	ISO 6383
Tensile Elongation at Yield	10	%		ISO 527
Tensile Modulus	1050	MPa		ISO 527
Tensile Strength at Yield	26	MPa		ISO 527
Melting Point	132	C°		ISO 3146
Vicat Softening Point	127	C°	A50,50 oC/h, 10 N	ISO 306

- Manufacturer: ARIYA-SASOL Pet.co.
- Application: Film, Bags, General-purpose film.
- Process: Blown film.
- Features: High impact strength, High Elongation, High Steress Cracking Resistance, Good Stiffness

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