

INTRODUCTION OF PETROCHEMICAL PRODUCTS

HIGH DENSITY POLYETHYLENE (H.D.P.E)

HFI 5110

FILM GRADE / ARIYA-SASOL

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
Elmendorf Tear Strength, MD	250	gr/25μm		ISO 6383
Elmendorf Tear Strength, TD	800	gr/25μm		ISO 6383
Film Elongation at Break, MD	580	%		ISO 527
Film Elongation at Break, TD	620	%		
Film Elongation at Yield, MD	10	%		ISO 527
Film Tensile Strength at Break, MD	55	MPa		ISO 527
Film Tensile Strength at Break, TD	55	MPa		ISO 527
Film Tensile Strength at Yield, MD	26	MPa		ISO 527
Tensile Modulus	1050	MPa		ISO 527
Melting Point	132	C°		ISO 3146
Vicat Softening Point	127	C°	A50,50 oC/h, 10 N	ISO 306

PETRO BAMDAD AZARAN

ENGINEERING & TRADING CO