

# INTRODUCTION OF PETROCHEMICAL PRODUCTS

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

# MCH 3713

## FILM GRADE / ARIYA SASOL Pet.Co.

DATASHEET	VALUE	UNIT	TEST CONDITIONS	TEST METHOD
Density	0.937	g/cm <sup>3</sup>	at +23 °C	ISO 1183
MFI	13	g/10min	At 21.6 Kg, 190 °C	ISO 1133
MFI	0.1	g/10min	At 2.16 Kg, 190 °C	ISO 1133
Film Elongation at Break, MD	550	%	----	ISO 527
Film Elongation at Break, TD	650	%	----	ISO 527
Film Tensile Strength at Break, MD	46	MPa	----	ISO 527
Film Tensile Strength at Break, TD	46	MPa	----	ISO 527
Impact Strength, Dart	120	Jr	----	ASTM D1709
Tear Propagation Resistance, MD	21.41	g-force	Elmendorf method	ISO 6383
Tear Propagation Resistance, TD	112.16	g-force	Elmendorf method	ISO 6383
Tensile Modulus	735	MPa	----	ISO 527
Melting Point	127	°C	----	ISO 3146
Vicat Softening Point	121	°C	A50,50 °C/h, 10 N	ISO 306

- Manufacturer: ARIYA-SASOL Pet.co.
- Application: Film, Bags, General-purpose film.
- Process: Blown film.
- Additives: Heat stabilizer, Antioxidant
- Features: Good melt strength, good tear strength, pharmaceutical grade, food contact grade, broad molecular weight distribution, good tensile strength.

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