



Producer: Ras Lanuf Oil and Gas Processing Company (RASCO) / Libya

HF 5110

Technical description:

Polyethylene Grade **HF 5110** is a high density polyethylene extrusion resin produced under Basell license.

Applications:

Used in production of film and bags.

PROPERTIES	VALUE	UNIT	TEST METHOD
Density	0.950	g/cm ³	ISO 1183
MFR (190°C/21.6Kg)	10	dg/min	ISO 1133
Tensile Modulus	1050	Mpa	ISO 527-1
Tensile Strength (MD)	55	Mpa	ISO 527-1,3
Tensile Strength (TD)	55	Mpa	ISO 527-1,3
Tensile Strain at Break (MD)	580	%	ISO 527-1
Tensile Strain at Break (TD)	620	%	ISO 527-1
Tensile Stress at Yield	26	Mpa	ISO 527-1
Tensile Strain at Yield	10	%	ISO 527-1
Elemendorf Tear Strength (MD)	250	mN	ISO 6383-2
Elemendorf Tear Strength (TD)	800	mN	ISO 6383-2
Melting Point	132	°C	ISO 3146
Vicat Temp. (A50, 50°C/h, 10N)	127	°C	ISO 306