



Producer: Marun Petrochemical Co. / Iran

HD -EX 5License Grade Code **HM 9450 F****Product Description:****EX5** is a high density polyethylene with 1-Butene as comonomer. It is good stiffness and tenacity, high molar mass.**Applications:**

- Film extrusion
- Counter bag, carrier bag
- Wrapping films

Typical Data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE *
Mass density (23°C)	ISO 1183	g/cm ³	0.949
Melt Flow Rate (190°C/5.0kg)	ISO 1133	g/10min	0.28
Melt Flow Rate (190°C/21.6 kg)	ISO 1133	g/10min	8
Stress at Yield	ISO 527	Mpa	24
Stress at Break	ISO 527	Mpa	25
Softening Temperature	ISO 306	°C	75
Brittle Temperature	ASTM D746-72	°C	< - 80
Shore D hardness	ISO 868	-	60
Application Properties**			
Max. tensile strength MD / TD .	ISO 527	Mpa	45/40
Tear strength MD / TD	ISO 6383-2	m N	200/450
Max. elongation MD / TD	ISO 527	%	400/450
Dart Drop Impact	ASTM D 1709	g	220

* Typical Values : not to be construed as specifications

** Blown film: thickness 20 µm, extruded at melt temperature of 200°C and a blow up ratio 4:1

Processing conditions:

Recommended melt temperature: 200 - 230°C

Recommended film thickness: 10 - 200µm

Licenser:

Basell

Packing:

25 Kg plastic bags