

HD-EX 5
License Grade Code HM 9450 F

1) Product Description

“EX5” is a high density polyethylene with 1-Butene as co monomer. It is good stiffness and tenacity, High molar mass.

2) Applications:

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

3) Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23oC)	ISO 1183	g/cm ³	0.949
Melt Flow Rate (190oC/5.0kg)	ISO 1133	g/10min	0.28
Melt Flow Rate (190oC/21.6 kg)	ISO 1133	g/10min	8
Stress at Yield	ISO 527	MPa	24
Stress at Break	ISO 527	MPa	35
Softening Temperature	ISO 306	oC	75
Brittle Temperature	ASTM D746-72	oC	< - 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

4) Processing conditions:

Recommended melt temperature: 200 - 230 °C

Recommended film thickness: 10 - 200 μm

Producer: Marun Petrochemical Co.

Licensor: Basell

Packing: 25 Kg plastic bag