

HD –EX 6HT
License Grade Code HM 9455 HT

1) Product Description:

“EX 6HT” is a high density polyethylene with 1-Butene as co monomer .It is good toughness, low gel level, good tear strength, high tenacity.

2) Applications:

- Film extrusion
- Blending partner
- (refuse) bags, carrier bags
- Heavy duty packing

3) Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23oC)	ISO 1183	g/cm ³	0.944
Melt Flow Rate (190oC/5.0kg)	ISO 1133	g/10min	0.18
Melt Flow Rate (190oC/21.6 kg)	ISO 1133	g/10min	5.4
Stress at Yield	ISO 527	MPa	21
Stress at Break	ISO 527	MPa	36
Softening Temperature	ISO 306	oC	73
Brittle Temperature	ASTM D746-72	oC	< - 80
Shore D hardness	ISO 868	-	58
Application Properties**			
Max. tensile strength MD / TD .	ISO 527	MPa	45/40
Tear strength MD / TD	ISO 6383-2	m N	200/400
Max. elongation MD / TD	ISO 527	%	450/500
Dart Drop Impact	ASTM D 1709	g	240

* Typical Values : not to be construed as specifications

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

4) Processing conditions:

Recommended melt temperature: 200 - 230^oC Recommended film thickness: 10 - 200μm
Producer: Marun Petrochemical Co. Licensor: Basell Packing: 25 Kg plastic bag