



## HD-EX 6HT

## License Grade Code HM 9455 HT

### High Density Polyethylene (HDPE)

#### 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.

#### Applications

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

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MASS DENSITY (23°C)	g/cm <sup>3</sup>	0.944	ISO 1183
MELT FLOW RATE (1900C/5.0KG)	g/10min	0.18	ISO 1133
MELT FLOW RATE (1900C/21.6 KG)	g/10min	5.4	ISO 1133
STRESS AT YIELD	MPa	21	ISO 527
STRESS AT BREAK	MPa	36	ISO 527
SOFTENING TEMPERATURE	°C	73	ISO 306
BRITTLE TEMPERATURE	°C	< - 80	ASTM D746-72
SHORE D HARDNESS	-	58	ISO 868
MAX. TENSILE STRENGTH MD / TD.	MPa	45/40	ISO 527
TEAR STRENGTH MD / TD	MN	200/400	ISO 6383-2
MAX. ELONGATION MD / TD	%	450/500	ISO 527
DART DROP IMPACT	g	240	ASTM D 1709

\*\* 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

Producer: Marun Petrochemical Co.

Licensor: Basell

Packing: 25 Kg plastic bag

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