



HD-EX 4

License Grade Code HM 9455 F

Product Description:

“EX4” is a high density polyethylene with 1-Butene as co monomer. It is high rigidity, low gel level, high drowdown, somewhat stiffer than EX5

Applications:

- Film extrusion
- Blending partner
- (refuse) bags, carrier bags



Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 C)	ISO 1183	g/cm ³	0.956
Melt Flow Rate (190 C/5.0kg)	ISO 1133	g/10min	0.28
Melt Flow Rate (190 C/21.16kg)	ISO 1133	g/10min	8
FRR(21.6/5)		-	29
FN	MPC-TEST	-	≤3/≤120
Stress at Yield	ISO 527	Mpa	27
Max. Tensile Strength MD / TD	ISO 527	Mpa	45/40
Stress at Break	ISO 527	Mpa	35
Tear Strength MD / TD	ISO 6383-2	m N	200/400
Max. Elongation MD / TD	ISO 527	%	400/450
Softening Temperature	ISO 306	C	75
Brittle Temperature	ASTM D746-72	C	<-80
shore D hardness	ISO 868		61
Dart Drop Impact	ASTM D 1709	g	220

- ① Typical Values: not to be construed as specifications
- ② Blow film thickness 20 μm , Extruded at melt temp. of 200 c and Blow up Ratio 4:1
- ③ Recommended melt temperature: 200_230 °C
- ④ Recommended film thickness: 10-20 μm