



## HD-EX 5 HS

### License Grade Code HM 9450 F1

#### **Product Description:**

“EX5 HS” is a high density polyethylene with 1-Butene as co monomer. It is high toughness, low gel level, good tear strength, high molar mass, very high stiffness and good tenacity.

#### **Applications:**

- Film extrusion
- Blending partner
- (refuse) bags, carrier bags,
- Wrapping film & sheets



## Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 C)	ISO 1183	g/cm3	0.950
Melt Flow Rate (190 C/5.0kg)	ISO 1133	g/10min	0.22
Melt Flow Rate (190 C/21.16 kg)	ISO 1133	g/10min	7.5
FRR(21.6/5)		-	34
FN	MPC-TEST	-	≤4/≤120
Stress at Yield	ISO 527	Mpa	24
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	200/450
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		60
Dart Drop Impact	ASTM D 1709	g	240

- Typical Values: not to be construed as specifications
- Blow film thickness 20  $\mu\text{m}$  , Extruded at melt temp. of 200 c and Blow up Ratio 4:1
- Recommended melt temp: 200-230 c
- Recommended film thickness: 10-200  $\mu\text{m}$