

HD-EX 5

License Grade Code HM 9450 F

Product Description:

“EX 5” is a high density polyethylene with 1-Butene as co monomer. It is good toughness, low gel level, good toor strenght, good stiffness and tenacity, High molar mass.

Applications:

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

Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 C)	ISO 1183	g/cm3	0.949
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	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	220

- Typical Values: not to be construed as specifications
- Blow film thickness 20 μm , Extruded at melt temp. of 200 c and Blow up Ratio 4:1
- Recommended melt temp: 200~230 c
- Recommended film thickness: 10~200 μm