



## HD-EX 1

### License Grade Code HF 7740F

#### **Product Description:**

“EX1” is a high density polyethylene with 1-Butene as co monomer. It is acceptable tear strength, medium molar mass and narrow molar mass distribution.

#### **Applications:**

- Stretched film and tapes for production of high strength knitted & woven.



## Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 C)	ISO 1183	g/cm3	0.944
Melt Flow Rate (190 C/5.0kg)	ISO 1133	g/10min	1.8
Melt Flow Rate (190 C/21.16 kg)	ISO 1133	g/10min	27
FRR(21.6/5)		-	15
FN	MPC-Test	note/size	≤ 4/≤150
Stress at Yield	ISO 527	Mpa	21
Flextural Creep Modulus (4point, 1min)	DIN 19537-2	Mpa	900
Tensile Modulus (23 C, v=1mm/min, secant)	ISO 527	Mpa	800
Stress at Break	ISO 527	Mpa	32
Elongation at Break	ISO 527	%	>1000
Elongation at Yield	ISO 527	%	10
Softening Temperature	ISO 306	C	73
Brittle Temperature	ASTM D746-72	C	<-80
shore D hardness	ISO 868		58
Impact strength	ISO 179/1eA	Kj/m2	12

- Typical values not to be constructed as specification.
- Recommended melt temp. 200~230 c