



HD-EX 1 S

License Grade Code HF 7740 F2(Z501)

Product Description:

"EX1S" is a high density polyethylene with 1-Butene as co monomer. It is good tear strength, medium molar mass, low density grade with a narrow molar mass distribution.

Applications:

- Tapes, Netting, Sacks, Bag
- Packaging tubes film extrusion
- Blending partner
- Film for laminating



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/21.16kg)	ISO 1133	g/10min	21
FRR(21.6/5)		-	12
Stress at Yield	ISO 527	Mpa	21
Flexural 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		59
Impact strength	ISO 179/1eA	Kj/m2	12
FN	-	NOTE/ μ m	$\leq 4/\leq 150$

- Typical Values: not to be construed as specifications
- Recommended melt temp. 200-230 °C.
- Recommended film thickness . 20-200 μ m