



HD-EX 2 S

License Grade Code HF 7750 M2

Product Description:

"EX2S" is a high density polyethylene with 1-Butene as co monomer. It is medium molar mass, low density grade with a narrow molar mass distribution, high rigidity, good tear strength.

Applications:

- Monofilaments, Ropes, Yarns
- Fish netting geotextiles & cavil engineering



Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23 C)	ISO 1183	g/cm3	0.956
Melt Flow Rate (190 C/5.0kg)	ISO 1133	g/10min	2.8
Melt Flow Rate (190 C/21.16kg)	ISO 1133	g/10min	28
FRR(21.6/5)		-	10
Stress at Yield	ISO 527	Mpa	27
Flextural Creep Modulus (4point, 1min)	DIN 19537-2	Mpa	1350
Tensile Modulus (23 C, v=1mm/min,secant)	ISO 527	Mpa	1200
Stress at Break	ISO 527	Mpa	31
Elongation at Break	ISO 527	%	>1000
Elongation at Yield	ISO 527	%	10
Softening Temperature	ISO 306	C	80
Brittle Temperature	ASTM D746-72	C	<-80
shore D hardness	ISO 868		62
Impact strength	ISO 179/1eA	Kj/m2	23
ESCR in full notch creep test (80 C, 2%Arcopal)	ISO CD 16770	h@2.5 Mpa	2
volatiles	ASTM D1023-94	%WT	≤0.3
contamination	-	RATING	≤2

- Typical Values: not to be construed as specifications
- Recommended melt temperature: 220~270 c