



HD-EX2 S

License Grade Code HF7750M2

High Density Polyethylene (HDPE)

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

PROPERTY	UNIT	TYPICAL VALUE*	TEST METHOD
MASS DENSITY (230C)	g/cm ³	0.956	ISO 1183
MELT FLOW RATE (1900C/5.0KG)	g/10min	3.3	ISO 1133
MELT FLOW RATE (1900C/21.6 KG)	g/10min	33	ISO 1133
STRESS AT YIELD	MPa	27	ISO 527
FLEXURAL CREEP MODULUS (4POINT, 1MIN)	MPa	1350	DIN 19537-2
TENSILE MODULUS (230C, V = 1MM / MIN ,SECANT)	MPa	1200	ISO 527
STRESS AT BREAK	MPa	31	ISO 527
ELONGATION AT BREAK	%	>1000	ISO 527
ELONGATION AT YIELD	%	10	ISO 527
SOFTENING TEMPERATURE	OC	80	ISO 306
BRITTLE TEMPERATURE	OC	< - 80	ASTM D746-72
SHORE D HARDNESS	-	62	ISO 868
ESCR IN FULL NOTCH CREEP TEST (800C, 2% ARCOPAL)	h@2.5 MPa	2	ISO CD 16770
IMPACT STRENGTH (230C)	Kj/m ²	23	ISO 179/1eA

Processing Condition:

Recommended melt temperature: 220 - 270 C EX2S should be processed using decomposition screw to prevent overheating of the melt. Die hold design: Land length/diameter ratio= 2.5/1 typical temperature program: Extruder: 220-260 °c Die head: 260-270 °c. Hot water bath: 95°c. Stretching ratio depends on monofilament properties (tensile strength and elongation at break).

Producer: Marun Petrochemical Co.

Licensor: Basell

Packing: 25 Kg plastic bag

Polyethylene (PE), High Density Polyethylene (HDPE), Film

IMPORTANT: The information and data presented herein are based on values from respective product manufacture. Therefore, no warranty or guarantee, expressed or implied, is made nor is any accountability accepted with respect to the use of such information and data. All mentioned data are typical values and not to be considered as legally binding specification.