

HD-EX1

License Grade Code HF 7740F



High Density Polyethylene (HDPE)

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	UNIT	TYPICAL VALUE	TEST METHOD
MASS DENSITY (23°C)	g/cm ³	0.944	ISO 1183
MELT FLOW RATE (190°C/5.0KG)	g/10min	1.8	ISO 1133
MELT FLOW RATE (190°C/21.6 KG)	g/10min	27	ISO 1133
STRESS AT YIELD	MPa	21	ISO 527
FLEXURAL CREEP MODULUS (4POINT, 1MIN)	MPa	900	DIN 19537-2
TENSILE MODULUS (23°C, V = 1MM / MIN, SECANT)	MPa	800	ISO 527
STRESS AT BREAK	MPa	32	ISO 527
ELONGATION AT BREAK	%	>1000	ISO 527
ELONGATION AT YIELD	%	10	ISO 527
SOFTENING TEMPERATURE	°C	73	ISO 306
BRITTLE TEMPERATURE	°C	< - 80	ASTM D746-72
SHORE D HARDNESS		58	ISO 868
IMPACT STRENGTH (230C)	Kj/m ²	12	ISO 179/1eA

Processing conditions

Recommended injection moulding temperature: 200 - 2800C

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