

## HD-EX1

## License Grade Code HF 7740F2



### High Density Polyethylene (HDPE)

#### Product Description

“EX1 (HF 7740F2)” is high density polyethylene with Butene-1 as co monomer. It is a medium molecular mass with a narrow molar mass distribution.

Stabilization: Ca-Stearate, Irganox1010, Irgafos168

#### Applications

Stretched film tape used in manufacture of Knitted and woven fabrics (Agricultural Packaging and Protective cover).

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
<b>PHYSICAL</b>			
MELT FLOW RATE(MFR)	g/10min	-	ISO 1133
DENSITY	g/cm <sup>3</sup>	0.944	ISO 1183
<b>FILM PROPERTIES</b>			
IMPACT STRENGTH	gr		ASTM D 1709
TEAR STRENGTH TD	MN		ISO 6383-2
TEAR STRENGTH MD	MN		ISO 6383-2
YIELD STRESS TD	MPa		ISO 527
YIELD STRESS MD	MPa		ISO 527
TENSILE STRENGTH TD	MPa		ISO 527
TENSILE STRENGTH MD	MPa		ISO 527
ELONGATION AT BREAK TD	%		ISO 527
ELONGATION AT BREAK MD	%		ISO 527
MODULUS OF ELASTICITY TD	MPa		ISO 527
MODULUS OF ELASTICITY MD	MPa		ISO 527
SECANT MODULUS	MPa		ISO 527
HARDNESS SHORE D	---		ISO 868
GELS SIZE	µm	≤150	Internal Method
GEL NUMBER	-	≤4	Internal Method

#### Processing Condition

Recommended melt temperature: 200-230 °C

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.