

HD-EX2

License Grade Code HF 7750

High Density Polyethylene (HDPE)



Product Description

“EX2 (HF 7750)” is high density polyethylene with propylene as co monomer. It is a medium molar mass with a narrow molar mass distribution.

Stabilization: Ca-Stearate, Irganox1010, Irgafos168.

Applications

Production of monofilaments with high tensile strength.

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
PHYSICAL			
MELT FLOW RATE(MFR) (190°C/2.16KG)	g/10min	-2.5 27	ISO 1133
DENSITY	g/cm ³	0.956	ISO 1183
FILM PROPERTIES			
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	-	≤5	Internal Method
THERMAL PROPERTIES			
VICAT SOFTENING TEMPERATURE	°C		ISO 306
MELTING POINT	°C		ISO 3146

Processing Condition

Recommended melt temperature: 200-230 °C

Producer: Marun Petrochemical Co.

Licensor: Basell

Packing: 25 Kg plastic bag

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