

HD-EX4

License Grade Code HM 9455F



High Density Polyethylene (HDPE)

Product Description

“EX4 (HM 9455F)” is high density polyethylene with Butene-1 as co monomer. It is high molar mass for blown film with very high stiffness and good tenacity.

Stabilization: Ca-Stearate, Zn-Stearate, Irgafos168

Applications

Paper like film suitable for wrapping Counter bays and carrier bags.

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
PHYSICAL			
MELT FLOW RATE(MFR) (190 °C/2.16KG)		--	
DENSITY	g/cm3	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	≤120	Internal Method
GEL NUMBER	-	≤3	Internal Method
THERMAL PROPERTIES			
VICAT SOFTENING TEMPERATURE	°C		ISO 306
MELTING POINT	°C		ISO 3146

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.