

HD – EX4
License Grade Code HM 9455F

1) 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

2) Applications:

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

3) Typical Data

Property	Unit	Typical Value	Test Method
Physical			
Melt Flow Rate(MFR) (190 °C/2.16Kg) (190 °C/5Kg) (190 °C/21.6Kg)	g/10min	--0.28 8	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	≤120	Internal Method
Gel number	-	≤3	Internal Method
Thermal Properties			
Vicat Softening Temperature	°C		ISO 306
Melting Point	°C		ISO 3146

4) Processing Condition:

Recommended melt temperature: 200-230 °C