

Product Data Sheet: HD-EX5

HighDensity Polyethylene	Film	
HDPE: HD-EX5	Density: 0.949±0.002	MFI: 0.28 ± 0.05
Feature: • Comonomer Butene-1 (C4) • Good stiffness • High Density	Application: • For blown films with paper like quality • Suitable for counter bags • Excellent processing • Carrier bags and wrapping films	Additive: • Antioxidants • Lubricant

* **Material properties** (this data are typical values and shall not be construed as product specifications.)

Resin Properties	Unit	Condition	Typical Value	Test Method
Melt Flow Rate (MFR)	gr/10min	190° C/5 Kg	0.28 ± 0.05	ISO 1133
Density	g/cm ³	23°C	0.949 ± 0.002	ISO 1183
Stress @ yield	Mpa	MD	24	ASTM638-02
Stress @ yield	Mpa	TD	24	ASTM638-02
Stress @ break	Mpa	MD	35	ASTM638-02
Stress @ break	Mpa	TD	35	ASTM638-02
MAX Tensile Strength	Mpa	TD	40	ASTM638-02
MAX Tensile Strength	Mpa	MD	45	ASTM638-02
Tear Strength	mN	TD	340	ASTM D1922
Tear Strength	mN	MD	200	ASTM D1922
MAX Elongation at break MAX	%	TD	450	ASTM D638-02
Elongation at break Softening	%	MD	400	ASTM D638-02
temperature	°C	-	75	ISO 306
Shore D	Mpa	-	60	ISO 868
Dart Drop	Kj/m2	-	220	ASTM D 1709
Dart Drop	Mpa	-	22	ISO 179/1 EA
charpy notch impact strenght	Mpa	TD	500	ASTM D638-02
Modulus of elasticity	Mpa	MD	400	ASTM D638-02
Modulus of elasticity	Wt%	-	≤ 0.02	ASTM-1203
Volatiles	-	-	<-1	ASTM D 1925
Yellowness Index Contamination	Rating	-	≤ 2	Internal

* Guaranteed items: MFR & Density.

* The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

* It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers' particular purposes. The customer is responsible for the appropriate, safe & legal use, processing and handling of all product(s) purchased from us.

* Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particularly, warranty of merchantability or fitness for a particular purpose.