



HDPE EX5

High Density Polyethylene · Blown Film Grade

Also traded as HM9450F · X5 · Origin: Iran

MFR (190 °C / 5 KG)

0.28 g/10 min

DENSITY

0.949 g/cm³

PROCESS

Blown Film

DART DROP (20 MM)

220 g

PRODUCT DESCRIPTION

HDPE EX5 is a high-molecular-weight, bimodal high density polyethylene with 1-butene as comonomer. It combines good stiffness and tenacity with a low gel level, producing strong blown films with a paper-like feel for bags and wrapping.

- High molar mass film grade
- Low gel level
- Good stiffness & tenacity
- Food-contact grade

PROCESSING GUIDE

Process	Blown film extrusion
Melt temperature	200 – 230 °C
Blow-up ratio	≈ 4 : 1
Film thickness	10 – 200 µm

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Density (23 °C)	ISO 1183	g/cm ³	0.949
Melt Flow Rate (190 °C / 5 kg)	ISO 1133	g/10 min	0.28
Melt Flow Rate (190 °C / 21.6 kg)	ISO 1133	g/10 min	8
Flow Rate Ratio (21.6 / 5)	—	—	29
MECHANICAL			
Stress at Yield	ISO 527	MPa	24
Stress at Break	ISO 527	MPa	35
Hardness, Shore D	ISO 868	—	60
THERMAL			
Brittleness Temperature	ASTM D746	°C	< -80
FILM (20 MM)			
Tensile Strength MD / TD	ISO 527	MPa	45 / 40
Elongation MD / TD	ISO 527	%	400 / 450
Elmendorf Tear MD / TD	ISO 6383-2	mN	200 / 450
Dart Drop Impact	ASTM D1709	g	220

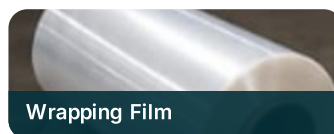
APPLICATIONS



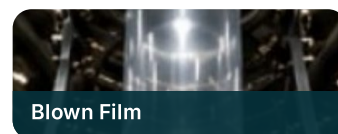
Counter Bags



Carrier Bags



Wrapping Film



Blown Film

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



Get Today's Price

Scan to request a quote for HDPE EX5 on WhatsApp.

+98 912 640 4020

◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

PHONE
+98 21 25903
+98 21 2611 6515

WHATSAPP
+98 912 640 4020
+98 912 859 5812

OFFICE
Pasdaran, Tehran
Iran

WEB
en.rabinpolymer.com
/product/hdpe-ex5/

The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.

RP-TDS-HDPE-EX5 · Rev.01 · 09/2026