



ALMNJAL TRADING EST
PLASTIC RAW MATERIALS
مؤسسة المنجل للتجارة

TECHNICAL DATASHEET

HD F0455

PRODUCT DESCRIPTION

HD F0455 is a High Density Polyethylene resin which possesses an outstanding combination of strength and impact performance. This grade can be processed on blown lm lines at high output rates with excellent bubble stability, very low gel levels and homogeneous appearance

TRPICAL APPLICATION

Main applications are household bags, standard carrier bags, T-shirt bags, bin liner, co-extruded blown lms, automatic packaging lm, lamination and release lm, perforated boiling bags, artificial paper, labels and heavy duty packaging.

TYPICAL DATA

Physical	Method	Unit	Value
Density	ISO 1183	g/cm ³	0.957
Melt Flow Rate (190°C /5kg)	ISO 1133	g/10 min	0.40
Melt Flow Rate (190°C /21.6kg)	ISO 1133	g/10 min	12.0

Mechanical	Method	Unit	Value ⁽¹⁾
Dart Drop Impact	ASTM D 1709	g	270
Tensile Strength	ISO 527-1, -3		
Note : MD		MPa	37.0
Note : TD		MPa	35.0
Tensile Strain at Break	ISO 527-1, -3		
Note : MD		%	400
Note : TD		%	480
Elmendorf Tear Strength	ISO 6383-2		
Note : MD		mN	300
Note : TD		mN	420

⁽¹⁾ (Film properties tested using 20 μm thickness blown film extruded at a melt temperature of 210°C, long stalk process and a blow-up ratio of 4:1)

Recommended Temperature:

Melt temperature: 200-230°C, thickness: 10 to 200 μm

Note:

The above properties are not to be construed as specification.