

EGYPTENE HD 5301 FB

High Density Polyethylene
Sidpec (Sidi Kerir Petrochemicals Co.)

Technical Data

Product Description

HD 5301 FB is a high density polyethylene grade with a broad molecular weight distribution. This grade has been especially developed for the production of very thin film with high tensile strength and stiffness.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Availability	• Africa & Middle East	• Asia Pacific	• Europe
Features	• Good Drawdown • High Density	• High Stiffness • High Strength	• Low Gel • Wide Molecular Weight Distribution
Uses	• Bags	• Film	
Agency Ratings	• EU No 10/2011		
Forms	• Pellets		
Processing Method	• Blown Film		

Physical	Nominal Value Unit	Test Method
Density	0.953 g/cm³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.050 g/10 min	ISO 1133

Films	Nominal Value Unit	Test Method
Tensile Stress		ISO 1184
MD: Yield	32.0 MPa	
TD: Yield	29.0 MPa	
MD: Break	57.0 MPa	
TD: Break	65.0 MPa	
Tensile Elongation		ISO 1184
MD: Break	450 %	
TD: Break	400 %	
Dart Drop Impact	130 g	ASTM D1709
Elmendorf Tear Strength		ASTM D1922
MD: 25 µm	20 g	
TD: 25 µm	28 g	

Additional Information

Film properties were measured on 15 micron film extruded at a blow up ratio 5:1.

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.