

# LITEN FB 75

High Density (HMW) Polyethylene  
UNIPETROL RPA

Message:

LITEN FB 75 is a linear polyethylene of high molecular weight, copolymer, intended for manufacture of tubular films of 0,007 mm thickness. Its well ballanced properties combine good processability with high strength and fineness of the manufactured films. Typical application is manufacture of thin sacks for packing and freezing of foodstuffs, shopping bags, packages for industrial goods, fine films substituting paper, etc.

LITEN FB 75 meets the hygienic requirements on materials and articles intended for contact with foodstuffs according to Regulation (EC) 1935/2004 of the European Parliament and of the Council, as well as according to Commission Regulation (EU) No 10/2011 including changes and additions.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	High Strength		
Uses	Bags		
	Film		
	Food Packaging		
	Industrial Applications		
	Packaging		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	11	g/10 min	
190°C/5.0 kg	0.50	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	2000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.0	kJ/m <sup>2</sup>	

23°C	15	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ISO 306

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