

LITEN FB 85 F

Polyethylene Copolymer

UNIPETROL RPA

Message:

LITEN FB 85 F is a copolymer with broad molecular weight distribution suitable for manufacture of films of minimal thickness 10 µm. The grade exhibits improved processability and a very good balance among toughness, ESCR and impact strength. Typical application is manufacture of technical sheets for building industry, millinery bags, packaging bags, etc.

LITEN FB 85 F 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		
	Good Impact Resistance		
	Good Processability		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	Wide Molecular Weight Distribution		
Uses	Bags		
	Film		
	Packaging		
	Sheet		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.26	g/10 min	
190°C/21.6 kg	23	g/10 min	
190°C/5.0 kg	1.2	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	500	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	ISO 527-2
Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179
-30°C	5.5	kJ/m ²	
23°C	10	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306

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