LITEN FB 29

Polyethylene Copolymer

UNIPETROL RPA

Message:

LITEN FB 29 is a copolymer with broad molecular weight distribution used for manufacture of tubular films of minimal thickness 15 μm. Typical application is manufacture of sacks for food industry, packaging films subsituting paper, etc.

LITEN FB 29 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		
Uses	Film		
	Food Packaging		
	Packaging		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Forms	Pellets		

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.15	g/10 min	
190°C/21.6 kg	16	g/10 min	
190°C/5.0 kg	0.70	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	250	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/m²	
23°C	12	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306

Recommended distributors for this material

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