

LITEN TB 38

Polyethylene Copolymer
UNIPETROL RPA

Message:

LITEN TB 38 is a linear polyethylene, copolymer, intended for manufacture of monoaxially oriented films and tapes for subsequent textile processing by knitting and weaving.

LITEN TB 38 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		
	Compliance of Food Exposure		
Uses	Films		
	Strap		
Agency Ratings	EC 1935/2004		
	Europe 10/1/2011 12:00:00 AM		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.50	g/10 min	ISO 1133
190°C/21.6 kg	26	g/10 min	ISO 1133
190°C/5.0 kg	1.8	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	10.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	11	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.0	kJ/m ²	ISO 179
23°C	10	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ISO 306

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