

LITEN BB 10

Polyethylene Copolymer
UNIPETROL RPA

Message:

LITEN BB 10 is a copolymer with broad molecular weight distribution used for blow moulding of containers up to 200 liters, as well as extrusion of sheets, profiles and non-pressure pipes.
Liten BB 10 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		
	Wide Molecular Weight Distribution		
Uses	Piping		
	Profiles		
	Sheet		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Pipe Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.942	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.10	g/10 min	
190°C/21.6 kg	14	g/10 min	
190°C/5.0 kg	0.55	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	57		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2

Flexural Modulus	800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	4.0	kJ/m ²	
23°C	13	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	118	°C	ISO 306

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