

# LITEN BB 29

Polyethylene Copolymer  
UNIPETROL RPA

Message:

LITEN BB 29 is a copolymer with broad molecular weight distribution. It is easily processible, exhibits good impact strength, toughness and resistance to tensoactive substances and chemicals. This grade is suitable for manufacture of hollow objects up to 120 litres, non-pressure pipes, as well as manufacture of toys and packages for pharmaceutical purposes.

LITEN BB 29 is certified to use the UL (Underwriters Laboratories) Recognized Component Mark (B), file E309477.

LITEN BB 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			
UL YellowCard	E309477-615015		
Features	Copolymer		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Toughness		
Uses	Pharmaceutical Packaging		
	Piping		
	Toys		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
UL File Number	E309477		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Pipe Extrusion		
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/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/m <sup>2</sup>	
23°C	12	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306

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#### Recommended distributors for this material

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