

LITEN ZB 29

Polyethylene Copolymer
UNIPETROL RPA

Message:

LITEN ZB 29 is a linear polyethylene, copolymer, intended for blow moulding and extrusion. It exhibits resistance to tensoactive substances, impact strength and good processability. It is suitable for manufacture of pipes for non-pressure applications, sheets, profiles, bottles, canisters, etc. This grades is delivered in the form of stabilized powder.

LITEN ZB 29 meets the hygienic regulations concerning contact with food of the European Union (Commission Directive), Germany (BfR) and USA (FDA). The product is not classified as a dangerous preparation according to Directive 1999/45/EC.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
Uses	Bottles		
	Piping		
	Profiles		
	Sheet		
Agency Ratings	BfR Food Contact, Unspecified Rating		
	EU Food Contact, Unspecified Rating		
	FDA Food Contact, Unspecified Rating		
Forms	Powder		
Processing Method	Blow Molding		
	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ISO 1133
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 ²	
23°C	12	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306

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