

LITEN VB 85

Polyethylene Copolymer
UNIPETROL RPA

Message:

LITEN VB 85 is a copolymer with broad molecular weight distribution. It exhibits good toughness, impact strength and ESC resistance. Typical application is extrusion of sheet and film. It can also be used for blow moulding of containers up to 120 liters.

General Information			
Features	Copolymer		
	Good Impact Resistance		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	Wide Molecular Weight Distribution		
Uses	Containers		
	Film		
	Sheet		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Forms	Pellets		
Processing Method	Blow Molding		
	Film Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	11	g/10 min	
190°C/5.0 kg	0.50	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	200	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)	22.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-30°C	6.0	kJ/m ²	
23°C	15	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ISO 306

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