

LITEN BB 75

High Molecular Weight Polyethylene
UNIPETROL RPA

Message:

LITEN BB 75 is a semi HMW copolymer, exhibiting an improved processing stability. This grade shows an outstanding balance of processability, ESCR, impact strength and stiffness. Typical application is blow moulding of containers up to 220 liters, such as shipping containers, drums, etc. LITEN BB 75 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 Impact Resistance		
	Good Processability		
	Good Processing Stability		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
Uses	Blow Molding Applications		
	Containers		
	Drums		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.950	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)	2000	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 ²	
23°C	15	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ISO 306

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