

LITEN BB 85 F

Polyethylene Copolymer

UNIPETROL RPA

Message:

LITEN BB 85 F is a copolymer with broad molecular weight distribution. The grade exhibits improved processability and a very good balance among toughness, ESCR and impact strength. Typical application is manufacture of medium-sized containers. It can also be used for extrusion of films and sheets.

LITEN BB 85 F 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		
	Good Impact Resistance		
	Good Processability		
	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	Extrusion		
	Film Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.22	g/10 min	
190°C/21.6 kg	20	g/10 min	
190°C/5.0 kg	1.0	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	500	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	ISO 527-2


Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	4.5	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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