

LITEN VL 20

Polyethylene Copolymer
UNIPETROL RPA

Message:

LITEN VL 20 is a linear polyethylene, black copolymer with high resistance to UV radiation, intended for extrusion. It is suitable for manufacture of pipes for non-presure applications, environmental lanfills, sheets, and profiles.

LITEN VL 20 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			
Additive	Carbon Black (2%) 2		
Features	Copolymer		
	Food Contact Acceptable		
	Good UV Resistance		
Uses	Profiles		
	Sheet		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.12	g/10 min	
190°C/21.6 kg	15	g/10 min	
190°C/5.0 kg	0.70	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	1000	hr	ASTM D1693
Carbon Black Content	2.4	%	ISO 6469
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	56		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19.0	MPa	ISO 527-2
Tensile Strain (Yield)	7.0	%	ISO 527-2
Flexural Modulus	750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-30°C	4.0	kJ/m ²	
23°C	13	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	116	°C	ISO 306

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Recommended distributors for this material

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