LITEN ML 57

Polyethylene Copolymer

UNIPETROL RPA

Message:

LITEN ML 57 is a linear polyethylene, copolymer with narrow molecular weight distribution and higher resistance to UV radiation, intended for injection moulding. It is suitable for manufacture of large containers, pallets, technical parts and other products for outdoor use requiring very good impact strength.
LITEN ML 57 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 UV Resistance Narrow Molecular Weight Distribution		
Uses	Containers Engineering Parts Outdoor Applications		
Agency Ratings	EC 1935/2004 EU 10/2011		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.950	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	4.5	g/10 min	
190°C/5.0 kg	12	g/10 min	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	57		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	800	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	5.0	kJ/m²	
23°C	10	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306

Recommended distributors for this material

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