

VP-LD-2102

Description:

VP-LD-2102 is a standard grade polyethylene produced by the tubular process without additives. The product range covers a wide variety of densities and melt flow rates. The LDPE grade slate has a wide variety of slip and anti block additives levels and includes a large number of grades with excellent optical properties.

Features	Applications	Packaging
Very low gel level and outstanding drawdown ability, low odor and taste levels, which is of advantage for thin film processing and food packaging.	General purpose films e.g. for pouches, bags, liners, and lamination films.	Supplied in the form of pellets, or in bulk, or in 25 Kg bags.

Physical properties	Unit	Typical value	Test method
MFR (190 °C / 2.16 Kg)	g/10min.	1.9	ISO 1133
Density	g/cm ³	0.921	ISO 1183(A)
Optical properties	Unit	Typical value	Test method
Gloss at 45°	%	50	ASTM D-2457
Haze	%	11	ASTM D-1003A
Clarity	mV	29	SUBTEC METHOD
Mechanical properties	Unit	Typical value	Test method
Impact strength	KJ/m	26	ASTM D-4272
Tear strength (MD)	KN/m	60	ISO 6383-2
Tear strength (TD)	KN/m	25	ISO 6383-2
Yield stress (MD)	MPa	13	ISO R527-1
Yield stress (TD)	MPa	11	ISO R527-1
Tensile stress at break (TD)	MPa	20	ISO R527-1
Strain at break (MD)	%	>150	ISO R527-1
Strain at break (TD)	%	>500	ISO R527-1
Modulus at elasticity (MD)	MPa	190	ISO R527-1
Modulus at elasticity (TD)	MPa	200	ISO R527-1
Coefficient of friction	-	>1	ASTM D-1894
Blocking	g	20	ASTM D-3354
Re-Blocking	g	100	SABTEC Method

* Film properties have been measured at 25µm films.