

VP-LD-2119

Description:

VP-LD-2119 is a low density polyethylene with excellent optical properties. This grade offers high output and excellent drawdown ability during processing, and is specially designed for general-purpose thin films. It is manufactured using SABTEC licensed technology.

Features	Applications	Packaging
Very good optical properties, Good toughness, Good melt strength, high output and excellent drawdown ability during processing.	Blown films extrusion Packaging films General 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/cm³	0.921	ISO 1183(A)
Optical properties	Unit	Typical value	Test method
Gloss at 45°	Gu	55	ASTM D-2457
Haze	%	9	ASTM D-1003A
Mechanical properties	Unit	Typical value	Test method
Impact strength	KJ/m	26	ISO 7765-2
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 (MD)	MPa	35	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	200	ISO R527-1
Modulus at elasticity (TD)	MPa	190	ISO R527-1
Coefficient of friction	-	>1	ASTM D-1894
Blocking	g	20	ASTM D-3354
Re-Blocking	g	100	SABTEC Method
Recommended process conditions			
Extruder temperature profile: 165-185 °C		Blow up ratio: 2-3	
Film thickness: 20-50 µm			