



Product Data Sheet

Titanvene™ LL0220SR

General Linear Low Density Film Applications

Titanvene™ LL0220SR is a linear low density polyethylene suitable for a wide variety of film applications. Titanvene™ LL0220SR is characterised by low gel content, good transparency, and excellent mechanical properties with low blocking force and high slip.

Applications

Titanvene™ LL0220SR is typically used for :

- Industrial packaging
- Shopping bags
- Food packaging

Recommended Processing Conditions ⁽¹⁾

Titanvene™ LL0220SR can be easily processed on normal polyethylene blow film machines at temperatures in the range of 170°C to 200°C.

Food Contact Compliance

Titanvene™ LL0220SR can be used in food contact applications. Please contact your nearest PT. TITAN Petrokimia Nusantara representative for more detail of food contact compliance statements for the specific grade.

Additive Package	Value ⁽²⁾	Unit	
Anti Block	3,000	ppm	
Slip Agent	1,500	ppm	

General Properties	Value ⁽²⁾	Unit	Test Method
Melt Flow Rate (190°C/2.16 kg)	2	g/10 min	ISO 1133 Condition 4
Nominal Density	920	kg/m ³	ISO 1183 Method D
Vicat Softening Point	112	°C	ISO 306
Melting Point	121	°C	ISO 3146 Method C

Mechanical Properties ⁽³⁾	Value ^{(2) (4)}	Unit	Test Method
Tensile Stress at Yield	MD 8 / TD 8	MPa	ISO 1184(E) Speed I
Elongation at Break	MD 950 / TD 1250	%	ISO 1184(E) Speed I
Tensile Stress at Break	MD 33 / TD 25	%	ISO 1184(E) Speed I
Elmendorf Tear Strength	MD 120 / TD 325	g/25 µm	ISO 6383/2
Dart Impact Strength	110	g	ISO 7765-1 Method A

Other Properties	Value ⁽²⁾	Unit	Test Method
Clarity	50	%	AS D1746
Gloss	35	%	AS D2457
Haze	23	%	AS D1003
COF	0.11		BS 2782, Method 824A

(1) The optimum processing conditions can be different from one machine to the others, depend on the mould and part design.
(2) The values shown are typical values obtained by averaging a number of tests. Small divergences from the quoted figures may occur.
(3) Measured on 38 microns film extruded at 2:1 blow ratio.
(4) MD = film machine direction, TD = film transversal direction.

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