

Product Data Sheet

PT. Lotte Chemical Titan Nusantara. (Formerly known as PT TITAN Petrokimia Nusantara)
Head Office : Mangkuluhur City Tower One, 32nd Floor, Jl. Jendral Gatot Subroto Kav. 1-3, Karet Semanggi, Setiabudi, Jakarta Selatan – 12930, Indonesia Phone: +62 21 27883355 Fax: +62 21 27883366/99
Site Location : Jl. Raya Merak Km.116 Cilegon 42436, Banten Indonesia Phone +62 254 571333 Fax : +62 254 571290
Email: tsc@lottechem.co.id **Website :** www.lottechem.co.id

Titanvene™ LL0220AA

General Linear Low Density Film Applications

Titanvene™ LL0220AA is a linear low density polyethylene suitable for a wide variety of film applications with low gel content, good transparency, and excellent mechanical properties. Titanvene™ LL0220AA has no slip and anti-block additives (bare foot).

Applications

Titanvene™ LL0220AA is typically used for :

- Casting Film
- Blended Film
- Inner Layer Rotomoulding
- Cable Insulation

Recommended Processing Conditions ⁽¹⁾

Titanvene™ LL0220AA 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™ LL0220AA can be used in food contact applications. Please contact your nearest PT. Lotte Chemical Titan Nusantara representative for more detail of food contact compliance statements for the specific grade.

General Properties	Value ⁽²⁾	Unit	Test Method
Melt Flow Rate (190°C/2.16 kg)	2.0	g/10 min	ISO 1133 Condition 4
Nominal Density	0.919	g/cm ³	ISO 1183 Method D
Vicat Softening Point	103	°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 10 / TD 11	MPa	ISO 1184(E) Speed I
Elongation at Break	MD 850 / TD 950	%	ISO 1184(E) Speed I
Dart Impact Strength	80	gr	ISO 7765-1 Method A
Other Properties	Value ⁽²⁾	Unit	Test Method
Clarity	75	%	ASTM D1746
Gloss	50	%	ASTM D2457
Haze	15	%	ASTM D1003
COF	0.9		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.

" World's 1st Halal Certified Resins - preserve integrity, wholesomeness & hygiene "

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.