

Product Data Sheet

PT. Lotte Chemical Titan Nusantara. (Formerly known as PT TITAN Petrokimia Nusantara)

Titanvene™ LL0335AA

LV Power Cable Insulation and Casting Film Applications

Titanvene™ LL0335AA is a linear low density polyethylene designed for silane crosslinked low voltage power cable insulation, casting film and inner layer for rotomolding. Titanvene™ LL0335AA characterized by high speed performance, low gel content and easy extrusion.

Applications

- Low voltage power cable insulation for sioplas process.
- Casting film.
- Inner layer for rotomolding (Non UV)

Recommended Processing Conditions ⁽¹⁾

Titanvene™ LL0335AA can be easily processed on normal machines at temperatures in the range of 150°C to 220°C.

Food Contact Compliance

Titanvene™ LL0335AA 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⁾⁽⁴⁾	Unit	Test Method
Melt Flow Rate (190°C/2.16 kg)	3.5	g/10 min	ISO 1133 Condition 4
Nominal Density	0.928	g/cm ³	ISO 1183 Method D
Vicat Softening Point	105	°C	ISO 306
Melting Point	121	°C	ISO 3146 Method C
Mechanical Properties on Molded Plaque			Test Method
Tensile Stress at Yield	14	MPa	ISO/R 527 Type 2 Speed C
Elongation at Break	1400	%	ISO/R 527 Type 2 Speed C
Electrical Properties			
Dielectric Constant	2.54		ASTM D150
Dissipation factor	< 10 ⁻⁴		ASTM D150
Volume Resistivity	10 ¹⁶	Ω.cm	ASTM D257

- (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.

