LOTTE CHEMICAL TITAN

Product Data Sheet

Titanvene™ LL0209SR

General Linear Low Density Film Applications

Titanvene™ **LL0209SR** is a linear low density polyethylene designed for wide range of film. Titanvene™ **LL0209SR** is characterised by low gel content, good transparency, and excellent mechanical properties with low blocking force and high slip.

Applications

Titanvene™ **LL0209SR** is typically used for :

- Industrial Packaging
- Food Packaging
- Shopping Bags

Recommended Processing Conditions (1)

Titanvene™ **LL0209SR** can be easily processed on normal polyethylene blow film machines at temperatures in the range of 150ºC to 190ºC.

Food Contact Compliance

Titanvene™ **LL0209SR** 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 (190ºC/2.16 kg)	1.0	g/10 min	ISO 1133 Condition 4
Nominal Density	0.920	g/cm^3	ISO 1183 Method D
Vicat Softening Point	103	ºC	ISO 306
Melting Point	122	ºC	ISO 3146 Method C

Mechanical Properties (3)	Value (2) (4)	Unit	Test Method
Tensile Stress at Yield	MD 11 / TD 12	MPa	ISO 1184(E) Speed I
Elongation at Break	MD 750 / TD 850	%	ISO 1184(E) Speed I
Dart Impact Strength	120	gr	ISO 7765-1 Method A

Other Properties	Value (2)	Unit	Test Method
Clarity	55	%	ASTM D1746
Gloss	45	%	ASTM D2457
Haze	17	%	ASTM 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.