

# Titanvene™ LL0220AA

Linear Low Density Polyethylene

PT. TITAN Petrokimia Nusantara

## Message:

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 antiblock additives (bare foot).

### Applications

Titanvene™ LL0220AA is typically used for :

Casting film

Blended film.

Inner layer rotomoulding

Cable insulation.

### Recommended Processing Conditions

Titanvene™ LL0220AA can be easily processed on normal polyethylene blow film machines at temperatures in the range of 170°C to 190°C.

### Food Contact Compliance

Titanvene™ LL0220AA 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.

General Information			
Features	Food Contact Acceptable		
	High Clarity		
	Low Gel		
Uses	Blending		
	Cable Jacketing		
	Cast Film		
RoHS Compliance	RoHS Compliant		
Processing Method	Blown Film		
	Cast Film		
	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction <sup>1</sup>	0.90		BS 2782
Films	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup>			ISO 1184
MD : Yield, 38 µm	10.0	MPa	
TD : Yield, 38 µm	11.0	MPa	
Tensile Elongation <sup>3</sup>			ISO 1184
MD : Break, 38 µm	850	%	

TD : Break, 38 μm	950	%	
Dart Drop Impact (38 μm)	80	g	ISO 7765-1/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ISO 306
Melting Temperature (DSC) <sup>4</sup>	121	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (38.0 μm)	50		ASTM D2457
Clarity	71.0		ASTM D1746
Haze	15	%	ASTM D1003
NOTE			
1.	Method 824A		
2.	Speed 1		
3.	Speed 1		
4.	Method C		

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#### Recommended distributors for this material

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