

Titanvene™ LL0209AA

Linear Low Density Polyethylene

PT. TITAN Petrokimia Nusantara

Message:

Titanvene™ LL0209AA 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™ LL0209AA has no slip and antiblock additives (bare foot).

Applications

Titanvene™ LL0220AA is typically used for :

Sack film

Food packaging

Industrial packaging

Recommended Processing Conditions

Titanvene™ LL0209AA 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™ LL0209AA 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	Bags		
	Film		
	Food Packaging		
	Industrial Applications		
	Packaging		
RoHS Compliance	RoHS Compliant		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ¹	0.90		BS 2782
Films	Nominal Value	Unit	Test Method
Tensile Stress ²			ISO 1184
MD : Yield, 38 µm	11.0	MPa	
TD : Yield, 38 µm	12.0	MPa	
Tensile Elongation ³			ISO 1184
MD : Break, 38 µm	800	%	
TD : Break, 38 µm	900	%	
Dart Drop Impact (38 µm)	120	g	ISO 7765-1/A

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ISO 306
Melting Temperature (DSC) ⁴	122	°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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