

# Titanvene™ LL0209SC

Linear Low Density Polyethylene

PT. TITAN Petrokimia Nusantara

## Message:

Titanvene™ LL0209SC is a linear low density polyethylene for high clarity film application. Titanvene™ LL0209SC is characterized by excellent transparency, low gel content, good process ability, and good mechanical properties with low blocking force and high slip.

### Applications

Industrial packaging

Shopping bags

Food packaging

Rice Bag

Transparent Film

Garment Sack

### Recommended Processing Conditions

Titanvene™ LL0209SC 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™ LL0209SC 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 Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Slip		
	Low Gel		
Uses	Bags		
	Film		
	Food Packaging		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	EU Unspecified Rating		
	FDA 21 CFR 177.1520(a) 2 (i)		
	FDA 21 CFR 177.1520(c) 2.1		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ISO 1183/D
Melt Mass-Flow Rate (MFR) <sup>1</sup> (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction <sup>2</sup>	0.14		BS 2782

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested <sup>3</sup>	38	μm	
Tensile Stress <sup>4</sup>			ISO 1184
MD : Yield, 38 μm, Blown Film	11.0	MPa	
TD : Yield, 38 μm, Blown Film	11.0	MPa	
Tensile Elongation <sup>5</sup>			ISO 1184
MD : Break, 38 μm, Blown Film	750	%	
TD : Break, 38 μm, Blown Film	800	%	
Dart Drop Impact (38 μm, Blown Film)	130	g	ISO 7765-1/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ISO 306
Melting Temperature (DSC) <sup>6</sup>	122	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss	50		ASTM D2457
Clarity	70.0		ASTM D1746
Haze	14	%	ASTM D1003
NOTE			
1.	Condition 4		
2.	Method 824A		
3.	BUR 2:1		
4.	Speed 1		
5.	Speed 1		
6.	Method C		

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#### Recommended distributors for this material

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