

# Titanvene™ LL0220SR

Linear Low Density Polyethylene

PT. TITAN Petrokimia Nusantara

## Message:

Titanvene™ LL0220SR is a linear low density polyethylene suitable for a wide variety of film applications. Titanvene™ LL0220SR is characterised by low gel content, good transparency, and excellent mechanical properties with low blocking force and high slip.

### Applications

Titanvene™ LL0220SR is typically used for :

Industrial packaging

Shopping bags

Food packaging

### Recommended Processing Conditions

Titanvene™ LL 220SR 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™ LL0220SR 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			
Additive	Antiblock (3000 ppm)		
	Slip (1500 ppm)		
Features	Antiblocking		
	Food Contact Acceptable		
	High Clarity		
	High Slip		
	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 <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>	0.11		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)	45		ASTM D2457
Clarity	50.0		ASTM D1746
Haze	17	%	ASTM D1003
NOTE			
1.	Method 824A		
2.	Speed 1		
3.	Speed 1		
4.	Method C		

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