

# Titanvene™ LL0218AA

Linear Low Density Polyethylene

PT. TITAN Petrokimia Nusantara

## Message:

Titanvene™ LL0218AA is a linear low density polyethylene with narrow molecular weight distribution which is designed for variety injection molding applications. Titanvene™ LL0218AA has high processing characteristic, offers excellent impact strength and stress crack resistance.

### Applications

Titanvene™ LL0218AA is typically used for :

Lids and closures

Container and trash bins

Housewares

Coating and stretch film

Toys

Master batch carrier

### Recommended Processing Conditions

Titanvene™ LL0218AA can be easily processed on normal polyethylene injection or compression machines at temperatures in the range of 175°C to 230°C.

### Food Contact Compliance

Titanvene™ LL0218AA 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		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	Narrow Molecular Weight Distribution		
Uses	Closures		
	Film		
	Household Goods		
	Lids		
	Masterbatch		
Agency Ratings	Toys		
	EC 1907/2006 (REACH)		
	EU 2002/72/EC		
	FDA 21 CFR 177.1520(a) 2 (i)		
	FDA 21 CFR 177.1520(b)		
Processing Method	FDA 21 CFR 177.1520(c) 2.1		
	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method

Density	0.924	g/cm <sup>3</sup>	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress <sup>1</sup> (Yield)	12.0	MPa	ISO 527-2/2
Tensile Strain <sup>2</sup> (Break)	500	%	ISO 527-2/2
Flexural Modulus	700	MPa	ISO 178
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength	18	kJ/m <sup>2</sup>	ISO 179/1A
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Vicat Softening Temperature	95.0	°C	ISO 306
Melting Temperature (DSC) <sup>3</sup>	122	°C	ISO 3146
<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>	
Processing (Melt) Temp	175 to 230	°C	
<b>NOTE</b>			
1.	Speed C		
2.	Speed C		
3.	Method C		

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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