

Titanvene™ HD5301AA

High Density Polyethylene
PT. TITAN Petrokimia Nusantara

Message:

Titanvene™ HD5301AA is a high density polyethylene suitable for thin blow film extrusion. Titanvene™ HD5301AA is characterised by easy extrusion and processing, low gel level and good tensile properties.

Applications
Titanvene™ HD5301AA is specialised for high density blow film applications such as carrier bags, food packaging, industrial packaging, etc.

Recommended Processing Conditions
Titanvene™ HD5301AA can be easily processed on normal polyethylene blow film machines at temperatures in the range of 180°C to 210°C.

Food Contact Compliance
Titanvene™ HD5301AA 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 Tensile Strength		
	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	0.946	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.10	g/10 min	
190°C/21.6 kg	11	g/10 min	
Films	Nominal Value	Unit	Test Method
Tensile Stress ¹			ISO 1184
MD : Yield, 15 µm	35.0	MPa	
TD : Yield, 15 µm	29.0	MPa	
MD : Break, 15 µm	56.0	MPa	
TD : Break, 15 µm	48.0	MPa	
Tensile Elongation ²			ISO 1184
MD : Break, 15 µm	380	%	
TD : Break, 15 µm	500	%	
Dart Drop Impact (15 µm)	140	g	ISO 7765-1/A

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ISO 306
Melting Temperature (DSC) ³	130	°C	ISO 3146
NOTE			
1.	Speed 1		
2.	Speed 1		
3.	Method C		

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Recommended distributors for this material

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