

Titanvene™ HD4708AA

High Density (HMW) Polyethylene

PT. TITAN Petrokimia Nusantara

Message:

Titanvene™ HD4708AA is a high molecular weight polyethylene grade suitable for thin blow film extrusion, rattan synthetic and conduit pipe. Titanvene™ HD4708AA is characterised by low gel level and good tensile properties.

Applications

Blow film applications,

Rattan synthetic

Conduit pipe.

Recommended Processing Conditions

Titanvene™ HD4708AA 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™ HD4708AA 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 Tensile Strength		
	Low Gel		
Uses	Film		
	Piping		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.080	g/10 min	
190°C/21.6 kg	8.5	g/10 min	
Films	Nominal Value	Unit	Test Method
Tensile Stress ¹			ISO 1184
MD : Yield, 15 µm	40.0	MPa	
TD : Yield, 15 µm	30.0	MPa	
MD : Break, 15 µm	64.0	MPa	
TD : Break, 15 µm	52.0	MPa	
Tensile Elongation ²			ISO 1184
MD : Break, 15 µm	400	%	
TD : Break, 15 µm	550	%	
Dart Drop Impact (15 µm)	160	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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