Titanvene™ HD5707GM

High Density Polyethylene

PT. TITAN Petrokimia Nusantara

Message:

Titanvene™ HD5707GM is a high density polyethylene designed for extrusion blow moulding and in particular for dairy product packaging. Titanvene™ HD5707GM is characterised by easy extrusion and processing, good odour and fuming, high stress cracking resistance and high stability for critical beverages and food packaging.
Applications
Titanvene™ HD5707GM is specialised for blow moulding items such as bottles/containers for:
Milk and dairy products
Fruit juice
Beverages
Recommended Processing Conditions
Titanvene™ HD5707GM can be easily processed on normal polyethylene blow moulding machines at temperatures in the range of 170°C to 200°C.
Food Contact Compliance
Titanvene™ HD5707GM 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 Good Stability High ESCR (Stress Crack Resist.) Low to No Fumes Low to No Odor		
Uses	Blow Molding Applications Blown Containers Bottles Fruit Juice Bottles		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.957	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	50.0	hr	ASTM D1693B
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (Yield)	26.0	MPa	ISO 527-2/2
Tensile Strain [2] (Break)	1100	%	ISO 527-2/2
Flexural Modulus	1600	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength	10	kJ/m^2	ISO 179/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306
Melting Temperature (DSC) [3]	131	°C	ISO 3146
NOTE			
1.	Speed C		
2.	Speed C		
3.	Method C		

Recommended distributors for this material

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WECHAT