Titanvene™ HD5401GA

High Density (HMW) Polyethylene

PT. TITAN Petrokimia Nusantara

Message:

Titanvene™ HD5401GA is a high density polyethylene of high molecular weight designed for extrusion applications and in particular for large blow moulding containers of good stress cracking resistance. Titanvene™ HD5401GA is characterised by easy extrusion and processing, very low odour and fuming, excellent environmental stress cracking resistance with superior impact strength.
Applications
Titanvene™ HD5401GA is specialised for blow moulding items such as bottles/containers from 5 to 150 litres capacity for:
Food products and households
Toiletries
Pharmaceuticals and personal products
Industrial chemicals or oils
Other applications :
Non-pressure pipe and conduits.
Synthetic rattan
Recommended Processing Conditions
Titanvene™ HD5401GA can be easily processed on normal polyethylene blow moulding machines at temperatures in the range of 170°C to 210°C.
Food Contact Compliance
Titanvene™ HD5401GA 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 specificgrade.

General Information	
Features	Food Contact Acceptable
	Good Processability
	High ESCR (Stress Crack Resist.)
	High Impact Resistance
	High Molecular Weight
	Low to No Odor
Uses	Blow Molding Applications
	Blown Containers
	Bottles
	Conduit
	Food Containers
	Food Packaging
	Industrial Containers
	Pharmaceutical Packaging
	Piping
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Blow Molding
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm³	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	
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	400	hr	ASTM D1693B
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (Yield)	26.0	MPa	ISO 527-2/2
Tensile Strain [2] (Break)	1200	%	ISO 527-2/2
Flexural Modulus	1400	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	15	kJ/m²	ISO 179/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	127	°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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