Titanvene™ HD5740EA-B

High Density Polyethylene Copolymer

PT. TITAN Petrokimia Nusantara

Message:

Titanvene™ HD5740EA-B is a high density polyethylene Copolymer with a narrow molecular weight distribution, which has been specially developed for packaging of still drinking water. Titanvene™ HD5740EA-B has excellent organoleptic properties that do not significantly transfer taste or odour to the packaged product. Titanvene™ HD5740EA-B is characterized by its high rigidity, high impact resistance and good weathering resistance.
Applications
Titanvene™ HD5740EA-B is designed for bottle caps of still drinking water or other closures where low odor and taste are required.
Recommended Processing Conditions
Titanvene™ HD5740EA-B can be easily processed on normal polyethylene injection molding & compression molding machines at temperatures in the range of 200 °C to 240 °C.
Food Contact Compliance
Titanvene™ HD5740EA-B can be used in food contact applications. Please contact your nearest PT. Lotte Chemical Titan Nusantara representative for more detail of food contact compliance statements for the specific grade

General Information	
Features	Food Contact Acceptable
	Good Organoleptic Properties
	Good Weather Resistance
	High Impact Resistance
	High Rigidity
	Low to No Odor
	Low to No Taste
	Narrow Molecular Weight Distribution
Uses	Caps
	Closures
Agency Ratings	EC 1907/2006 (REACH)
	EU Unspecified Rating
	FDA 21 CFR 177.1520(a) 2 (i)
	FDA 21 CFR 177.1520(c) 2.1
RoHS Compliance	RoHS Compliant
Processing Method	Compression Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) [1] (190°C/2.16 kg)	4.0	g/10 min	ISO 1133

Environmental Stress-Cracking Resistance (10% Igepal CO-630, Compression Molded)	9.00	hr	ASTM D1693B
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (Yield, Compression Molded)	27.0	MPa	ISO 527-2/2
Tensile Strain [3] (Break, Compression Molded)	2200	%	ISO 527-2/2
Flexural Modulus (Compression Molded)	1600	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (Compression Molded)	9.0	kJ/m^2	ISO 179/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ISO 306
Melting Temperature (DSC) [4]	132	°C	ISO 3146
NOTE			
1.	Condition 4		
2.	Speed C		
3.	Speed C		
4.	Method C		

Recommended distributors for this material

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