Titanvene™ HD5740UA

High Density Polyethylene

PT. TITAN Petrokimia Nusantara

Message:

Titanvene™ HD5740UA is an ultra violet (UV) light stabilised high density polyethylene copolymer with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty articles. Titanvene™ HD5740UA is characterised by its high rigidity, high impact resistance (especially for low temperature) and high weathering resistance.
Applications
Titanvene™ HD5740UA is designed for:
Large dustbin and pails.
Fish crates/pallet boxes
Technical parts.
Recommended Processing Conditions
Titanvene™ HD5740UA can be easily processed on normal polyethylene injection moulding machines at temperatures in the range of 200°C to 240°C.
Food Contact Compliance
Titanvene™ HD5740UA 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			
Additive	UV Stabilizer		
Features	Food Contact Acceptable Good UV Resistance Good Weather Resistance High Impact Resistance High Rigidity Narrow Molecular Weight Distribution		
Uses	Crates Engineering Parts Pails Pallets		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.955	g/cm^3	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.9	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	9.00	hr	ASTM D1693B
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (Yield)	27.0	MPa	ISO 527-2/2
Tensile Strain [2] (Break)	1800	%	ISO 527-2/2
Flexural Modulus	1300	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m^2	ISO 179/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ISO 306
Melting Temperature (DSC) [3]	132	°C	ISO 3146
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	200 to 240	°C	
NOTE			
1.	Speed C		
2.	Speed C		
3.	Method C		

Recommended distributors for this material

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