Titanvene[™] HD6070UA

High Density Polyethylene

PT. TITAN Petrokimia Nusantara

Message:

Titanvene[™] HD6070UA is a high density polyethylene copolymer with a narrow molecular weight distribution protected by a UV stabilizer for outdoor exposure. Titanvene[™] HD6070UA is suitable for a wide range of injection moulding applications. Titanvene[™] HD6070UA is characterised by its easy processing, high rigidity/good impact resistance and high warpage resistance.

Applications

Titanvene[™] HD6070UA is designed for:

Crates, pails and containers.

Pallets, structural foam and seats.

Recommended Processing Conditions

Titanvene[™] HD6070UA 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[™] HD6070UA 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	Copolymer Food Contact Acceptable Good Impact Resistance Good VV Resistance High Rigidity			
	Narrow Molecular Weight Distribution			
	Warp Resistant			
Uses	Containers			
	Crates			
	Pails			
	Pallets			
RoHS Compliance	RoHS Compliant			
Forms	Pellets			
Processing Method	Injection Molding			
Physical	Nominal Value	Unit	Test Method	
Density	0.958	g/cm³	ISO 1183/D	
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	7.5	g/10 min	ISO 1133	
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	7.00	hr	ASTM D1693B	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Stress ¹ (Yield)	27.0	MPa	ISO 527-2/2	

Tensile Strain ² (Break)	1500	%	ISO 527-2/2
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m²	ISO 179/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°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		

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Recommended distributors for this material

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