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Product Data Sheet

Titanvene™ HD6070UA

General Injection Moulding Applications

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 (1)
Titanvene™ **HD6070UA** can be easily processed on normal polyethylene injection moulding machines at temperatures in the range of 200ºC to 240ºC.

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 Properties	Value (2)	Unit	Test Method
Melt Flow Rate (190ºC/2.16 kg)	7.5	g/10 min	ISO 1133 Condition 4
Nominal Density	958	kg/m^3	ISO 1183 Method D
Vicat Softening Point	127	ºC	ISO 306
Melting Point	132	ºC	ISO 3146 Method C

Mechanical Properties (3)	Value (2)	Unit	Test Method
Tensile Stress at Yield	27	MPa	ISO/R 527 Type 2 Speed C
Elongation at Break	1500	%	ISO/R 527 Type 2 Speed C
Charpy Impact Strength	6	kJ/m^2	ISO 179 Type 1 Notch A
Flexural Modulus	1500	MPa	ISO 178
ESCR Condition B, F_{50} (4)	7	Hours	ASTM D1693

(1) The optimum processing conditions can be different from one machine to the others, depend on the mould and part design.
(2) The values shown are typical values obtained by averaging a number of tests. Small divergences from the quoted figures may occur.
(3) Measured on compression molded plaques.
(4) Environment Stress Cracking Resistance 10% Igepal : CO-630