



Product Data Sheet

Titanvene™ HD5220GM (Provisional)

Blow Moulding Applications

Titanvene™ **HD5220GM** is a high density polyethylene designed for extrusion blow moulding and in particular for dairy product packaging. Titanvene™ **HD5220GM** is characterised by easy extrusion and processing, very low odour and fuming, high stress cracking resistance and high stability for critical beverages and food packaging.

Applications

Titanvene™ **HD5220GM** is specialised for blow moulding items such as bottles/containers for:

- Milk and dairy products
- Fruit juice
- Beverages

Recommended Processing Conditions ⁽¹⁾

Titanvene™ **HD5220GM** can be easily processed on normal polyethylene blow moulding machines at temperatures in the range of 170°C to 200°C.

Food Contact Compliance

Titanvene™ **HD5220GM** 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 (190°C/2.16 kg)	1.8	g/10 min	ISO 1133 Condition 4
Nominal Density	950	kg/m ³	ISO 1183 Method D
Vicat Softening Point	124	°C	ISO 306
Melting Point	131	°C	ISO 3146 Method C

Mechanical Properties ⁽³⁾	Value ⁽²⁾	Unit	Test Method
Tensile Strength at Yield	25	MPa	ISO/R 527 Type 2 Speed C
Elongation at Break	1800	%	ISO/R 527 Type 2 Speed C
Charpy Impact Strength	10	kJ/m ²	ISO 179 Type 1 Notch A
Flexural Modulus	1300	MPa	ISO 178
Hardness (Shore D)	65		ISO 868 Type D

(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.

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