

Product Data Sheet

PT. Lotte Chemical Titan Nusantara. (Formerly known as PT TITAN Petrokimia Nusantara)

Titanvene™ BPD3220

Wire and Cable Applications

Titanvene™ BPD3220 is a linear low density polyethylene designed for extrusion process especially in wire and cable insulation applications. Titanvene™ BPD3220 characterized by low gel content, easy extrusion without slip and anti-block additives content.

Applications

Titanvene™ BPD3220 is a wire and cable polyethylene grade applications for low voltage wire insulation.

Recommended Processing Conditions ⁽¹⁾

Titanvene™ BPD3220 can be easily processed on normal machines at temperatures in the range of 180°C to 210°C.

Food Contact Compliance

Titanvene™ BPD3220 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 Properties	Value ⁽²⁾	Unit	Test Method
Melt Flow Rate (190°C/2.16 kg)	2.6	g/10 min	ISO 1133 Condition 4
Nominal Density	0.920	g/cm ³	ISO 1183 Method D
Vicat Softening Point	103	°C	ISO 306
Melting Point	120	°C	ISO 3146 Method C
Mechanical Properties ⁽³⁾	Value ⁽²⁾	Unit	Test Method
Tensile Stress at Yield	12	MPa	ASTM D638
Elongation at Break	1300	%	ASTM D638
Electrical Properties	Value ⁽²⁾	Unit	Test Method
Dielectric Constant	2.54		ASTM D150
Dissipation Factor	< 10 ⁻⁴		ASTM D150
Volume Resistivity	10 ¹⁶	Ω.cm	ASTM D257

(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.

