



Product Data Sheet

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. 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)	2.6	g/10 min	ISO 1133, Condition 4
Nominal Density	920	kg/m ³	ISO 1183
Vicat Softening Point	100	°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	AS D638
Elongation at Break	> 800	%	AS D638

Electrical Properties	Value ⁽²⁾	Unit	Test Method
Dielectric Constant	2.54		AS D 150
Dissipation Factor	< 10 ⁻⁴		AS D 150
Volume Resistivity	10 ¹⁶	Ω.cm	AS D 257

(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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