



ISPLEN[®] PB131N5E

ISPLEN[®] PB131N5E is a propylene heterophasic copolymer with high melt viscosity. The good flow and outstanding mechanical properties make this material suitable to be processed into monolayer corrugated pipes. Due to its high impact strength at low temperatures is specially intended for protecting cable conduits

It can be easily coloured during the extrusion process using the right pigments, preferably in the form of concentrates with a higher melt flow rate than the base polymer.

TYPICAL APPLICATIONS

- Monolayer corrugated pipes for protecting cable conduits

Recommended melt temperature range from 205 to 225 °C. Processing conditions should be optimised for each production line.

PROPERTIES	UNITS	VALUE	TEST METHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	1,3	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1.200	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	> 45	kJ/m ²	ISO 179
Charpy Impact Strength Notched -20 °C	8	kJ/m ²	ISO 179
Thermal			
VICAT (9,8 N)	150	°C	ISO 306
Heat Deflection Temperature 0.45MPa	83	°C	ISO 75
Others			
Shore Hardness D	60	-	ISO 868

ISPLEN[®] PB131N5E complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

ISPLEN[®] PB131N5E should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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