

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) Density	1,3 905	g/10 min kg/m ³	ISO 1133 ISO 1183
Mechanical Flexural Modulus Charpy Impact Strength Notched 23 °C Charpy Impact Strength Notched -20 °C	1.200 > 45 8	MPa kJ/m² kJ/m²	ISO 178 ISO 179 ISO 179
Thermal VICAT (9,8 N) Heat Deflection Temperature 0.45MPa	150 83	°C °C	ISO 306 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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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed. Technical Service and Development: Repsol Technology Centre Ctra. de Extremadura A5, Km 18 28931 Móstoles. Madrid Tel. +34 91 348 86 00 Fax: +34 91 530 45 17 atdpo@repsol.com Headquarters: P° de la Castellana, 280 28046 Madrid Spain Tel. +34 91 348 29 56 www.chemicals.repsol.com Customer Care: sacrq@repsol.com