



ISPLEN[®] PB115H3T

ISPLEN[®] PB115H3T is a high melt viscosity propylene heterophasic copolymer with a reinforced formulation designed for extrusion process. Due to their good flow and outstanding mechanical properties it is suitable to be processed into pipes and its good flexural modulus is specially intended for extrusion of doubled corrugated drainage and sewage pipes

The **ISPLEN[®] PB115H3T** characterized by high impact strength at low temperatures and stress cracking resistance assure the good performance of this material under critical conditions.

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.

APPLICATIONS

- Structured doubled wall pipes for underground drainage and sewage without pressure.
- Corrugated pipes in general.

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

PROPERTIES	UNITS	VALUE	TEST METHOD
General			
Melt Flow Rate (230°C; 2.16 kg)	0.30	g/10 min	ISO 1133
Melt Flow Rate (230°C; 5 kg)	1.2	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	1,200	MPa	ISO 178
Charpy impact strength, (23°C, notched)	> 55	kJ/m ²	ISO 179
Thermal			
Vicat softening temperature A120 (10 N)	147	°C	ISO 306
HDT 0.45 MPa	81	°C	ISO 75
Others			
Shore hardness D	62	-	ISO 868

ISPLEN[®] PB115H3T 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[®] PB115H3T 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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