



ISPLEN® PR210X6E

ISPLEN® PR210X6E is a random ethylene-propylene copolymer with a high molecular weight. It contains a specific formulation for high thermal stability and water extraction purposes.

ISPLEN® PR210X6E is supplied in natural colour.

TYPICAL APPLICATIONS

- Cold and hot water pressure pipe.

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

PROPERTIES	VALUE	UNIT	MÉTHOD
General			
Melt Flow Rate (230 °C; 2.16 kg)	0.3	g/10 min	ISO 1133
Melt Flow Rate (230 °C; 5 kg)	1,2	g/10 min	ISO 1133
Density	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	815	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	> 9	kJ/m ²	ISO 179
Tensile stress at yield	26	MPa	ISO 527-2
Tensile stress at break	27	MPa	ISO 527-2
Elongation at break	> 520	%	ISO 527-2
Thermal			
VICAT, 9,8 N	70	°C	ISO 306
Heat Deflection Temperature 0.45MPa	45	°C	ISO 75
Internal Pressure Resistance			
Long-term hydrostatic strength for 50 years at 20 °C (97.5% LCL), MRS	> 8.0	MPa	ISO TR 9080

ISPLEN® PR210X6E 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® PR210X6E 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.

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