



ISPLEN® PR210G4E

ISPLEN® PR210G4E is a random ethylene-propylene copolymer with a high molecular weight. It contains a basic antioxidant stabilization for the pipe extrusion that guarantees the stability of the polymer under normal processing. The additives used are compatible with any others that the customer might wish to add.

ISPLEN® PR210G4E is supplied in natural colour.

TYPICAL APPLICATIONS

- Base polymer for cold and hot water pressure pipes.

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

PROPERTIES	VALUE	UNIT	TEST 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

ISPLEN® PR210G4E 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® PR210G4E 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.

July 2011

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:
Pº de la Castellana, 280
28046 Madrid
Spain
Tel. +34 91 348 29 56
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com