

ISPLEN® PR210 G4E

Polypropylene Random Copolymer
REPSOL

Message:

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.

General Information			
Additive	Antioxidation		
Features	High molecular weight		
	Antioxidation		
	Random copolymer		
Uses	Piping system		
Appearance	Natural color		
Processing Method	Pipeline extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	0.30	g/10 min	ISO 1133
230°C/5.0 kg	1.2	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	26.0	MPa	ISO 527-2
Fracture	27.0	MPa	ISO 527-2
Tensile Strain (Break)	> 520	%	ISO 527-2
Flexural Modulus	815	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	> 9.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	45.0	°C	ISO 75-2/B
Vicat Softening Temperature	70.0	°C	ISO 306/A

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