

# ISPLEN® PR 210 X6E

Polypropylene Random Copolymer

REPSOL

## Message:

ISPLEN® PR-210 X6E is a random ethylene-propylene copolymer with a high molecular weight. Due to averagely good flow properties and very high mechanical properties is a suitable grade to be processed into pipes.

### STABILIZATION

ISPLEN® PR-210 X6E is a statistic (random) copolymer which contains a specific formulation for high thermal resistant and water extraction purposes allowing polymer stability during normal conditions of processing and use. Other additives may be included.

### COLOURING

ISPLEN grades are supplied in natural colour but they can be easily coloured with pigments steady at processing temperatures, using dry -colouring or masterbatch techniques.

### FOODSTUFF REGULATIONS

ISPLEN® PR-210 X6E are approved for food contact under certain legislation. For more information about specific country regulation, please, contact with our local representative or the Technical Service.

General Information			
Features	Extraction Resistant		
	Food Contact Acceptable		
	Good Colorability		
	Good Flow		
	High Heat Resistance		
	High Molecular Weight		
Uses	Piping		
Appearance	Natural Color		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/5.0 kg	0.60	g/10 min	
230°C/2.16 kg	0.30	g/10 min	
230°C/5.0 kg	1.2	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	71		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
0°C	3.0	kJ/m <sup>2</sup>	
23°C	18	kJ/m <sup>2</sup>	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	65.0	°C	ISO 75-2/B
Vicat Softening Temperature	133	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190 to 200	°C	
Cylinder Zone 2 Temp.	190 to 205	°C	
Cylinder Zone 3 Temp.	195 to 210	°C	
Cylinder Zone 4 Temp.	195 to 215	°C	
Cylinder Zone 5 Temp.	200 to 220	°C	
Melt Temperature	205 to 225	°C	

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#### Recommended distributors for this material

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