

ISPLEN® PR 210 X6E

Polypropylene Random Copolymer
REPSOL YPF



ides.com/prospector

Technical Data

Product Description

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

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• REPSOL YPF
Availability	• Europe • North America
Features	• Extraction Resistant • Good Colorability • High Heat Resistance • Food Contact Acceptable • Good Flow • High Molecular Weight
Uses	• Piping
Appearance	• Natural Color
Processing Method	• Pipe Extrusion

Physical	Nominal Value Unit	Test Method
Density	0.903 g/cm ³	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	

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 ²	
23°C	18 kJ/m ²	

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness	71	ASTM D785

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		ISO 75-2/B
0.45 MPa, Unannealed	65.0 °C	
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

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Extrusion	Nominal Value Unit
Cylinder Zone 4 Temp.	195 to 215 °C
Cylinder Zone 5 Temp.	200 to 220 °C
Melt Temperature	205 to 225 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

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Where to Buy

Supplier

REPSOL YPF

28046 Madrid, Spain

Telephone: +34 91 348 80 00

Web: <http://www.repsol.com>

Distributor

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: Belgium, France, Italy, Netherlands

Polymix

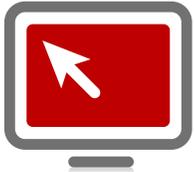
Telephone: +33-3-8920-1380

Web: <http://www.polymix.eu/>

Availability: France



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– Kevin Chase, Owner & President, Chase Plastics



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