ELTEX® P RF110

Product Technical Information

Polypropylene – Impact copolymer

ELTEX® P RF110 is a "high impact" copolymer mainly intended for the production of hollow containers, corrugated sheets of the "synthetic cardboard" type and films. It features a low MFI, a good stiffness and a high impact strength at low temperatures.

Benefits & Features

- Good stiffness
- High impact strength at low temperatures
- Very low level of gels

Applications

- Blow moulded containers
- Synthetic cardboard
- Films – retortable application
- Pipes
- Thick sheets

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	0.8	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1300	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	29	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	45	kJ/m2
Izod Impact Strength, notched	0°C	ISO 180/A	7	kJ/m2
Izod Impact Strength, notched	-20°C	ISO 180/A	5	kJ/m2
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	50	kJ/m2
Thermal				
Peak DSC melting temperature	2nd heating	ASTM D 3418	164	°C

Data should not be used for specification work

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Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

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