Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

ELTEX® P RF180

Product Technical Information

ELTEX® P RF180 is a "high impact" copolymer produced with a non-phthalate based catalyst.
This grade is 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.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

Exclusion of Liability

Although INEOS O&P Europe endeavours to ensure that all information and advice relating to our materials or other materials howsoever provided to you by INEOS O&P Europe is accurate and up to date, no representation or warranty, express or implied is made by INEOS O&P Europe as to its accuracy or completeness. All such information and advice is provided in good faith and INEOS O&P Europe is not, to the maximum extent permitted by law, liable for any action you may take as a result of relying on such information or advice or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

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