



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/m ² |
| Izod Impact Strength, notched | 0°C | ISO 180/A | 7 | kJ/m ² |
| Izod Impact Strength, notched | -20°C | ISO 180/A | 5 | kJ/m ² |
| Charpy Impact Strength, notched | 23°C | ISO 179-1/1eA | 50 | kJ/m ² |
| 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.

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