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

RIGIDEX® P CAP986S

Product Technical Information

RIGIDEX® P CAP986S is an impact copolymer polypropylene, manufactured with a non phthalate based catalyst. It is suitable for closures requiring good impact performance, especially at low temperature, balanced with low tendency to stress whitening. It is specifically designed and formulated for bi-component screw caps for carbonated soft drinks made by either injection or compression moulding.

Applications

- closures requiring good impact performances- especially at low temperature - and easy application and opening torque
- bi-component screw caps for carbonated soft drinks

Benefits & Features

- Good processability
- High impact strength
- Low tendency to exhibit stress whitening
- Grade containing slip agent for easy opening
- Good mould release
- Manufactured with a non phthalate based catalyst

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	6	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1500	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	30	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	6	kJ/m2
Charpy Impact Strength, notched	0°C	ISO 179-1/1eA	4	kJ/m2
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	110	°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

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