

# 401-CA55

## Product Technical Information

Polypropylene – Impact Copolymer

**401-CA55** is a controlled rheology, good crystallinity, high flow high impact copolymer intended for the fast production of thin-walled injection-moulded articles. 401-CA55 contains antistatic and nucleation additives and is approved for use in contact with food.

### Benefits & Features

- Intended for the production of thin-walled injection-moulded articles requiring anti-static and low warpage properties
- Fast cycling

### Applications

- Thin walled Injection Moulding
- Housewares
- Yellow fats containers and lids

Properties	Conditions	Test Methods	Values	Units
<b>Rheological</b>				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	55	g/10min
<b>Mechanical*</b>				
Flexural Modulus	23°C	ISO 178	1100	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	24	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	6	kJ/m <sup>2</sup>
Charpy Impact Strength, notched	0°C	ISO 179-1/1eA	4	kJ/m <sup>2</sup>
<b>Thermal</b>				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	90	°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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## 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](http://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](http://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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