



# 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**

### 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.