

# INEOS PP 102-CA03

Polypropylene Homopolymer  
INEOS Olefins & Polymers Europe

Message:

102-CA03 is a fully formulated grade intended for sheet extrusion and thermoforming applications requiring improved transparency and higher stiffness than conventional polypropylene. It is nucleated and clarified and contains a low level of antistatic agent. It offers a good balance between easy flow and mechanical properties and features very good optical properties, easy de-nesting and good thermal stability of end products.

- Applications
- Transparent trays for biscuits, fruit and vegetables
  - Containers for various food products
- Benefits and Features
- Very good optical properties
  - High stiffness of end products
  - Easy de-nesting
  - Good thermal stability
  - Easy processing in both forming and cutting

General Information			
Additive	Antistatic		
	Clarifier		
	Nucleating Agent		
Features	Antistatic		
	Good Flow		
	Good Mold Release		
	Good Processability		
	Good Thermal Stability		
	High Clarity		
	High Stiffness		
	Homopolymer		
	Nucleated		
	Opticals		
Uses	Food Containers		
	Support Trays		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	39.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.0	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	156	°C	ISO 306/A
Peak Melting Temperature	165	°C	ASTM D3417
Peak Crystallization Temperature (DSC)	129	°C	ASTM D3417

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#### Recommended distributors for this material

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