

INEOS PP 101-CA06

Polypropylene Homopolymer
INEOS Olefins & Polymers Europe

Message:

101-CA06 is a fully formulated grade intended for sheet extrusion and thermoforming applications requiring high melt flow rate, improved transparency and higher stiffness than conventional polypropylene. This clarified grade is nucleated and contains a medium level of antistatic agent. 101-CA06 offers a balance of easy flow and good mechanical properties and has benefits such as very good optical properties, easy de-nesting and good thermal stability of end products.

- Applications
- Manufacture of very transparent and rigid sheets for thermoformed food and non food containers
 - Injection stretch blow moulding
- Benefits and Features
- Improved clarity
 - Good mechanical properties
 - High crystallisation temperature for increased productivity

General Information			
Additive	Antistatic		
	Clarifier		
	Nucleating Agent		
Features	Antistatic		
	Good Mold Release		
	Good Thermal Stability		
	High Flow		
	High Stiffness		
	Homopolymer		
	Nucleated		
	Opticals		
Uses	Containers		
	Food Containers		
	Sheet		
	Thermoformed Containers		
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)	6.0	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	38.5	MPa	ISO 527-2
Flexural Modulus (23°C)	1750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	119	°C	ISO 75-2/B
Vicat Softening Temperature	156	°C	ISO 306/A
Peak Melting Temperature	165	°C	ASTM D3417
Peak Crystallization Temperature (DSC)	128	°C	ASTM D3417

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

