

INEOS PP 100-NB03

Polypropylene Homopolymer
INEOS Olefins & Polymers Europe

Message:

100-NB03 is a polypropylene grade intended for sheet extrusion and thermoforming applications requiring improved transparency and higher stiffness than conventional polypropylene. It is nucleated and clarified but does not contain any antistatic agent. It offers a good balance between easy flow and mechanical properties and features very good optical properties and good thermal stability of end products.

- Applications
- Beer cups
 - Transparent trays for biscuits, fruit and vegetables
 - Containers for various food products
- Benefits and Features
- Very good optical properties
 - High stiffness of end products
 - Moderate foaming (beer cups)
 - Good thermal stability
 - Easy processing in both forming and cutting

General Information			
Additive	Clarifier		
	Nucleating Agent		
Features	Good Flow		
	Good Processability		
	Good Thermal Stability		
	High Stiffness		
	Homopolymer		
	Nucleated		
	Opticals		
Uses	Containers		
	Cups		
	Food Containers		
RoHS Compliance	Contact Manufacturer		
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 ²	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

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

