

INEOS PP 500-NA20

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

Message:

500-NA20 is a high MFR and very high impact copolymer with increased stiffness. It has been designed specifically for the injection moulding of large articles such as luggage, containers, crates and other Materials Handling applications where the requirements for high impact and high stiffness are highest. Being a MFR 20 and nucleated, this quality offers the opportunity for very fast processability if the machine and tool capability allows. 500-NA20 is food contact approved.

- Applications
- Materials Handling
- Luggage
- Large containers
- Benefits and Features
- Nucleated, FDA compliant
- High MFR, Very high impact
- High stiffness
- Very good thermal stability

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Processability		
	Good Thermal Stability		
	High Flow		
	High Stiffness		
	Impact Copolymer		
	Nucleated		
	Ultra High Impact Resistance		
Uses	Containers		
	Crates		
	Luggage		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1250	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	6.0	kJ/m ²	
23°C	45	kJ/m ²	
Drop Impact Resistance (-20°C)	130	J/cm	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B

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