INEOS PP 500-NA01

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

Message:

500-NA01 is a low melt flow rate impact copolymer for demanding industrial applications. It offers an enhanced impact strength while keeping a high stiffness. This nucleated grade also allows a faster cooling and has a good long term stability.
Applications
Corrugated pipes / conduit pipes
Twin-wall sheets
Fittings
Sheets for thermforming
Injection moulding
Benefits and Features
Improved impact resistance (while keeping a high stiffness)
Very low gel content
Superior processability

General Information	
Additive	Nucleating Agent
Features	Food Contact Acceptable Good Processability Good Thermal Stability High Impact Resistance High Stiffness Impact Copolymer Low Flow Low Gel Nucleated
Uses	Fittings Industrial Applications Sheet
Agency Ratings	FDA Food Contact, Unspecified Rating
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Injection Molding Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	25.0	MPa	ISO 527-2

Flexural Modulus (23°C)	1300	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	10	kJ/m²	
23°C	> 50	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-20°C	10	kJ/m²	
23°C	> 50	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature	154	°C	ISO 306/A
Melting Temperature	166	°C	ISO 11357-3
Oxidation Induction Time (200°C)	> 8.0	min	EN 728

Recommended distributors for this material

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WECHAT