500-NA20

Product Technical Information

Polypropolylene – Impact Copolymer

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

Properties		Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16kg	ISO 1133	20	g/10min
Mechanical				
Flexural Modulus	@ 23°C	ISO 178	1250	MPa
Tensile Strength	@Yield	ISO 527-1,-2	25	MPa
IZOD impact Strength, notched	@+23°C	ISO 180/1A	45	kJ/m²
	@ -20°C	ISO 180/1A	6	kJ/m²
Instrumented falling weight impact Strength,	@-20°C	ISO 6603-2	13	J/mm
Thermal				
HDT	@0.45 MPa	ISO 75/B	95	°C

- Data should not be used for specification work

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com . Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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