Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

540-NA13

Provisional Technical Data Sheet

Product Technical Information

Polypropylene – Impact Copolymer

Benefits & Features

540-NA13 is a very high impact copolymer recommended for injection moulding of luggage, crates & boxes as well as for the production of compounds. This nucleated grade has a good stiffness, allows for a faster cooling and presents excellent dimensional stability. **540-NA13** presents

- Very good impact resistance at low temperature (-20°C)
- Low warpage
- Good flowability

Applications

- Returnable transport packaging (crates & boxes)
- Luggage
- Very low temperature impact resistant packages
- Compounds

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	13	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1150	MPa
Izod Impact Strength, notched	23°C	ISO 180/1A	50	KJ/m2
Izod Impact Strength, notched	-20°C	ISO 180/1A	9.5	KJ/m2
Izod Impact Strength, notched	-30°C	ISO 180/1A	7.7	KJ/m2
IFW Instrumented Falling Weight	-20°C	ISO 6603-2		
• Impact strength			21	J/mm
• Total penetration energy			41	J

Data should not be used for specification work

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Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

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 Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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