

# INEOS

Olefins & Polymers Europe

Your partner in

## COPOLYMER 540-NA13

Strong and safe  
protection & transport



INEOS

# A step change in high flow impact copolymers

INEOS Olefins & Polymers Europe



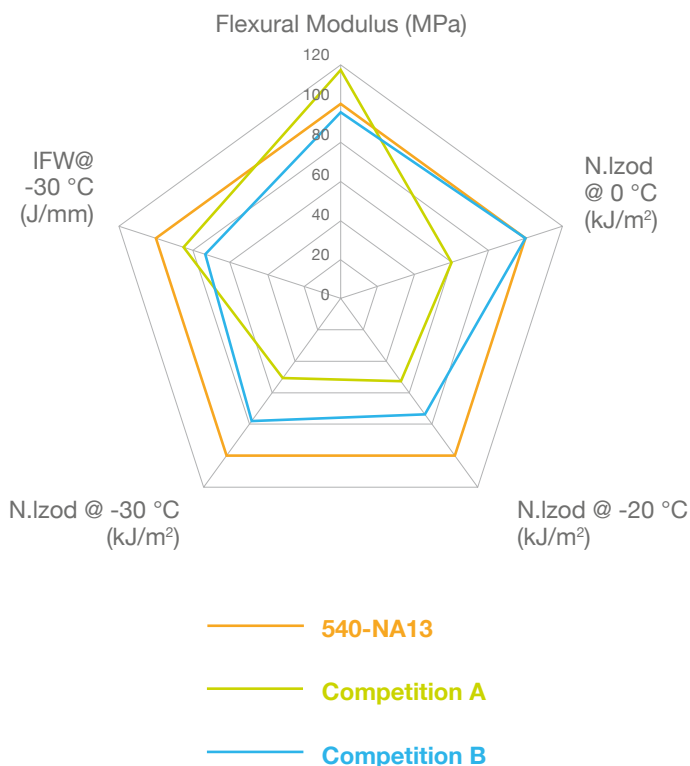
# High Impact Copolymer

540-NA13 is a high impact copolymer polypropylene grade recommended for injection moulding of luggage, crates and boxes as well as for the production of compounds. This grade offers a unique set of mechanical properties which were specifically designed to give very high levels of impact resistance at low temperatures.

## Product Properties

Properties	Methods	540-NA13	Units
MFR 230°C/2.16kg	ISO 1133-1	13	g/10min
Flexural Modulus	ISO 178	1150	MPa
Tensile Strength @ yield	ISO 527-1,-2	22.5	MPa
Notched Izod @ -20 °C	ISO 180/A	9.5	kJ/m²
Notched Izod @ -30 °C	ISO 180/A	7.7	kJ/m²
Impact Falling Weight @ -20 °C	ISO 6603-2	-	-
Total Penetration Energy	-	41	J
HDT 0,45 MPa	ISO 75-2/B	94	°C
Vicat softening point (10N)	ISO 306/A50	148	°C

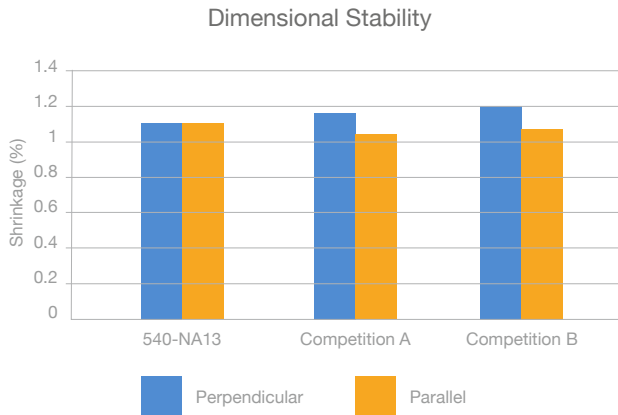




To satisfy the ever increasing demands of the returnable transport packaging market, the grade has been especially designed to offer:

- / Exceptional levels of impact performance especially at low service temperatures
- / Excellent creep resistance coupled with good stiffness to give superior crate stacking stability
- / Excellent dimensional stability and low warpage
- / Increased crystallization temperature for potential reductions in mould cooling times

## What does 540-NA13 bring on moulded parts?



- / High impact strength – particularly at very low temperatures
- / Excellent surface finish
- / Stacking stability
- / Very good dimensional stability
- / Low blushing
- / FDA approved



## About us

INEOS is one of the world's largest chemical companies, founded in 1998. INEOS Olefins & Polymers Europe is a leading producer of olefins and polyolefins.

**INEOS Olefins & Polymers Europe** offers a full range of high value polyolefins solutions for market applications such as food and industrial packaging, pipe and automotive through dedicated sales, and technical service teams.

INEOS is a safe and environmentally responsible company. We are engaged in developing our sustainable agenda to improve our operations and to implement sustainable solutions for our customers. This includes products that offer lightweighting, energy efficiency, durability (extended lifetime) or conservation of resources. We care.



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