



INEOS

Olefins & Polymers Europe

Your partner in

PP RANDOM
COPOLYMER
205-CA SERIES

Advanced food
packaging

INEOS

**Medium/high fluidity
random copolymers
with outstanding optics**

INEOS Olefins & Polymers Europe



205-CA25 and 205-CA40

Product features

- / Medium and high fluidity
- / Excellent aesthetics and appearance
- / Using the last generation of clarifying agent
- / Antistatic
- / Food contact approved



These high clarity grades are dedicated to the injection moulding of transparent technical and packaging items.

Benefits for the customers

The recently developed 205-CA25 and 205-CA40 offer the following advantages:

- / **Excellent optics**
even at low processing temperatures
- / **Low yellowness index**
- / **Increased productivity and energy savings**
resulting from lower processing temperatures
achievable thanks to the excellent clarifier dispersion

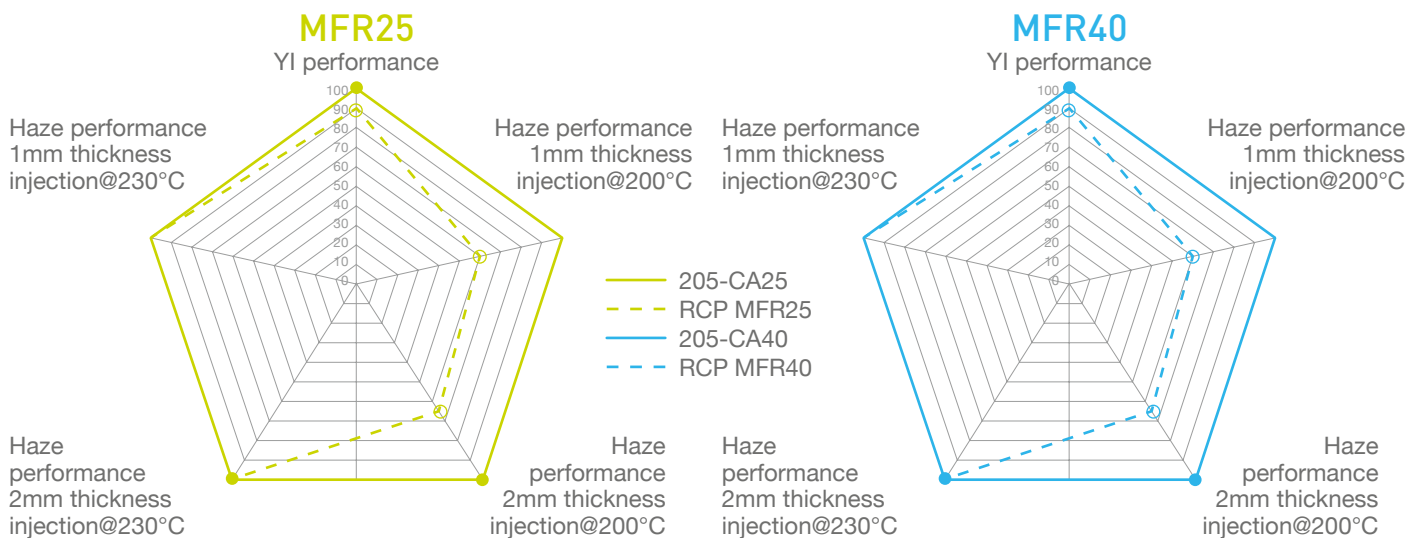


Product Characteristics

Comparison with current random copolymers

| Property | Method | Standard | Unit | RCP MFR25 | 205-CA25 | RCP MFR40 | 205-CA40 |
|------------------------------|----------------------------|--------------|-------------------|-----------|----------|-----------|----------|
| Melt Flow Rate | 2.16kg@230°C | ISO 1133 | g/10min | 25 | 25 | 40 | 40 |
| Flexural Modulus | @23°C | ISO 178 | MPa | 1100 | 1100 | 1100 | 1100 |
| Tensile Strength @yield | @23°C | ISO 527-1,-2 | MPa | 28 | 28 | 28 | 28 |
| Izod Notched Impact Strength | @23°C | ISO 180/ 1A | kJ/m ² | 5.5 | 5.5 | 5 | 5 |
| Izod Notched Impact Strength | @0°C | ISO 180/ 1A | kJ/m ² | 2.8 | 2.8 | 2.8 | 2.8 |
| Haze | 1mm Plate, injection@200°C | ASTM D1003 | % | 25 | 15 | 25 | 15 |
| Haze | 2mm Plate, injection@200°C | ASTM D1003 | % | 45 | 30 | 45 | 30 |
| Haze | 1mm Plate, injection@230°C | ASTM D1003 | % | 15 | 15 | 15 | 15 |
| Haze | 2mm Plate, injection@230°C | ASTM D1003 | % | 30 | 30 | 30 | 30 |
| Vicat T° | 10N | ISO 306/A50 | °C | 129 | 129 | 128 | 128 |
| HDT | 0.45 MPa | ISO 75/B | °C | 85 | 85 | 83 | 83 |

Data not to be considered as specification



Performance: No unit, relative values - the higher, the better.

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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