

A stack of several translucent plastic bowls in various colors including orange, purple, yellow, and green, arranged in a slightly offset manner to show their edges and reflections.

INEOS

Olefins & Polymers Europe

Your partner in

PP RANDOM COPOLYMERS 240-HP SERIES

**Clear and strong
polypropylene**

INEOS



Improved optical
properties, gloss levels
and impact improvement
over homopolymer

INEOS Olefins & Polymers Europe

Product Technical Information

New random polypropylene copolymers for injection-moulding

The 240-HP series is a novel high clarity and high flow random polypropylene copolymer range intended for the injection-moulding of transparent containers with very high clarity:

- / Thin wall food containers for fridge storage
- / Houseware
- / Media packaging
- / Transparent pails

Moulders will not only benefit from the better stiffness/ impact/fluidity performance of the materials allowing for down-gauging, they will also be able to reduce the moulding cycle time, hence increase productivity, benefitting from higher crystallisation temperature of the new grade.

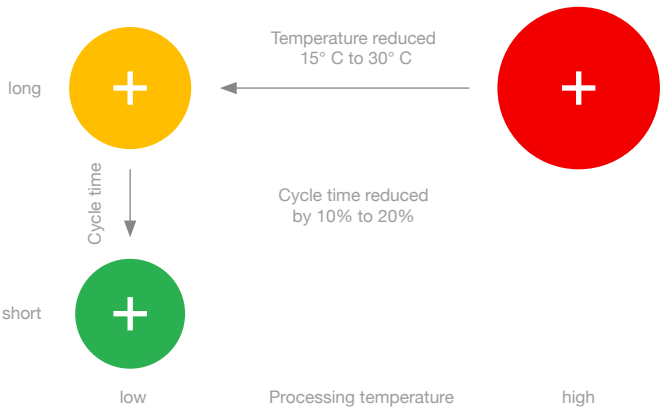


Benefits for the customers

- / Improved transparency/impact at room temperature/ stiffness balance
- / Excellent processability
- / Antistatic
- / Energy savings potential thanks to lower processing melt temperatures
- / Increased productivity by cycle time reduction thanks to lower processing temperature and a higher crystallisation temperature enabling to reduce the cooling time

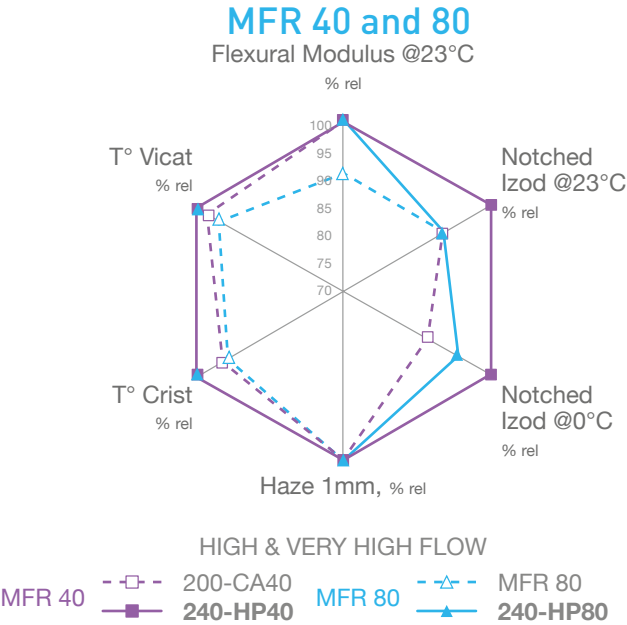
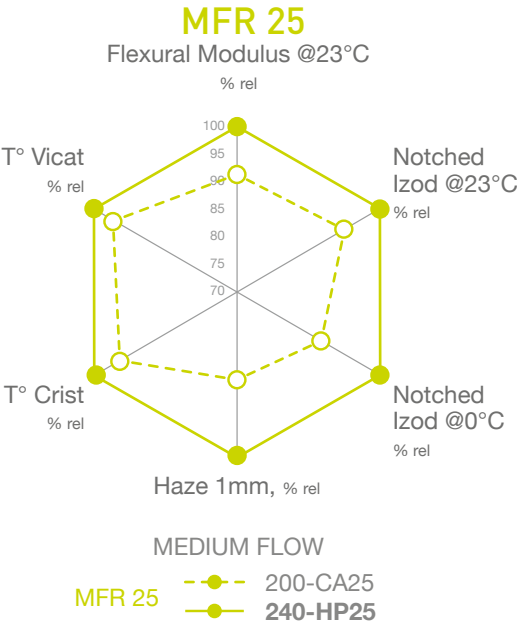
Potential Savings versus Standard clarified Copolymers

The new grades allow for lower processing temperature without loss in mechanical properties or clarity. This brings energy savings and productivity gain by shorter cycle time.



Product Characteristics

Property	Method	Standard	Unit	200-CA25 Standard	240-HP25 New	200-CA40 Standard	240-HP40 New	Competitive MFR 80	240-HP80 New
Melt Flow Rate	2.16kg @230 °C	ISO 1133	g/10 min	25	25	40	40	50	80
Flexural Modulus	@23°C	ISO 178	MPa	1100	1200	1100	1100	1000	1100
Tensile Strength @yield	@23°C	ISO 527-1,-2	MPa	28	30	28	28	26	28
Izod Notched Impact Strength	@23°C	ISO 180/1A	kJ/m²	5.5	6	5	5.5	5	5
Izod Notched Impact Strength	@0°C	ISO 180/ 1A	kJ/m²	2.8	3.3	2.8	3.2	3	3
Haze	1mm Plate	ASTM D1003	%	15	18	15	15	15	15
Haze	2mm Plate	ASTM D1003	%	30	35	30	30	30	30
T° Crist	-	DSC Method	°C	119	126	119	126	118	126
T° Vicat	10 N	ISO 306/A50	°C	129	134	128	130	125	130
HDT	0.45 MPa	ISO 75/B	°C	85	90	83	85	80	85



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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