

New Polypropylene Random Copolymers

240-HP25 | 240-HP40 | 240-HP80

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 resins

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 resin.

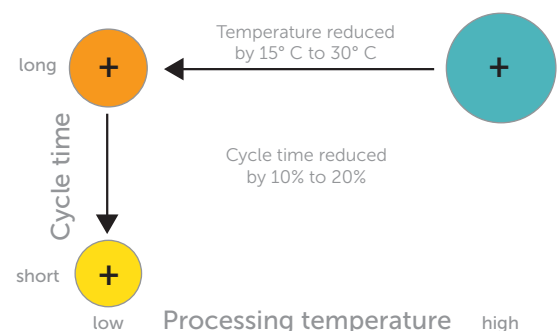


Benefits and Features

- 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.



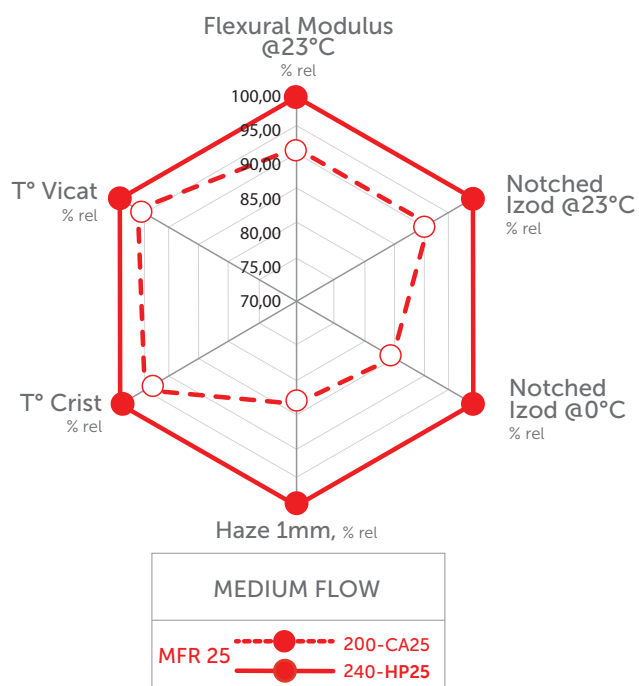
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Product characteristics

Property	Method	Standard	Unit	200-CA25	240-HP25	200-CA40	240-HP40	222-CC50	240-HP80
				Standard	New	Standard	New	Standard	New
Melt Flow Rate	2.16kg @230°C	ISO 1133	g/10min	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/m ²	5,5	6,0	5,0	5,5	5,0	5,0
Izod Notched Impact Strength	@0°C	ISO 180/1A	kJ/m ²	2,8	3,3	2,8	3,2	3,0	3,0
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

MFR 25



MFR 40 and 80

