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TECHNICAL DATA SHEET

PP35MIRACO

POLYPROPYLENE RANDOM COPOLYMER
CLARIFIED INJECTION MOLDING GRADE

PRODUCT DESCRIPTION

PP35MIRACO is a high melt flow **clarified** polypropylene random copolymer designed for injection molding applications. The material provides fast cycle times, good mold release, good denesting characteristics, and improved clarity compared with conventional polypropylene grades.

TYPICAL APPLICATIONS

- Clear and translucent containers
- Food containers and lids
- Thin-wall packaging
- Consumer products
- Medical and laboratory components
- Closures and caps
- General-purpose clarified injection molded parts
- Housewares

REGULATORY INFORMATION

PP35MIRACO meets the requirements of U.S. FDA regulation 21 CFR 177.1520 for the safe use of polyolefin articles and components intended for direct food-contact applications. Compliance for the finished article remains the responsibility of the manufacturer.

TYPICAL PROPERTIES

Property	ASTM Method	Typical Value	Units
Melt Flow Rate @ 230°C / 2.16 kg	ASTM D1238	35	g/10 min
Density	ASTM D792	0.90	g/cm ³
Tensile Strength at Yield (50 mm/min)	ASTM D638	3,990	psi
Elongation at Yield (50 mm/min)	ASTM D638	13	%
Flexural Modulus, 1% Secant	ASTM D790	144,000	psi
Notched Izod Impact @ 73°F (23°C)	ASTM D256	1.3	ft-lb/in
Heat Deflection Temperature @ 66 psi	ASTM D648	163.4	°F

PROCESSING RECOMMENDATIONS

Parameter	Recommended Range
Melt Temperature	390–460°F (200–238°C)
Mold Temperature	60–120°F (16–49°C)

PACKAGING

Available in bulk, gaylords, supersacks, and custom packaging configurations.

DISCLAIMER

The values reported herein are typical test results and are intended for reference purposes only; they should not be used as specification limits. It is the user's responsibility to determine the suitability of this product for the intended application. No warranties, express or implied, including merchantability or fitness for a particular purpose, are made regarding the product or its use.