



1903MR

3.5 MELT FLOW ENHANCED CLARIFIED HOMOPOLYMER FOR THERMOFORMING APPLICATIONS

Product Description and Applications:

Pinnacle Polymers Polypropylene 1903MR is made via UNIPOL™ PP technology, which utilizes gas-phase fluidized bed reactors with a high activity catalyst system to ensure uniform physical properties and lot-to-lot consistency.

This product is intended for extruded sheet and thermoforming applications. The combination of flow characteristics and high stiffness provide light-weighting potential for containers. 1903MR contains a clarifier providing excellent see-through clarity

Features:

The 1903MR product provides:

- High Clarity
- Good melt strength and stretchability
- Superior color and processing stability
- Low level of extractables

Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	3.5 g/10 min.	55 g/10 min.	D1238
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Tensile yield strength, at 51 mm/min	5200 psi	41 MPa	D638
Yield elongation, at 51 mm/min	10%	10%	D638
Flexural modulus (1% secant) at 1.27 mm/min	225,000 psi	1552 MPa	D790A
Notched Izod impact strength, at 73°F/23°C	0.9 ft-lb/in	48 J/m	D256
Shrinkage	0.015 in/in	0.015 mm/mm	D955
Haze (1.27 MM Molded Plaque)	25%	25%	D256

FDA and SDS documents are available on our website at: <https://pinnaclepolymers.com/documents-datasheets/regulatory-documents>
UNIPOL is a trademark of W. R. Grace and Co.

Pinnacle offers a 1.00 kg CO₂e/kg PP from cradle to gate. In conformance with ISO 14040/44 and following the requirements of EN 15804 through third-party verification by Fishwick Environmental.

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