



Premier PR440M

Random Copolymer Polypropylene

MELT FLOW: 44.0

DENSITY: 0.90

Premier PR440M is a nucleated/clarified random copolymer designed for injection molding applications requiring high transparency and gloss, good mechanical properties, high flow and lower cycle times with low off-odor. Targeted applications include high transparency TWIM parts, thin-walled food containers, disposable syringes and optical media (CD/DVD) cases. This resin has *FDA compliance.

<u>Resin Property</u>	<u>Typical Value</u>	<u>Units</u>	<u>Test Method</u>
Melt Flow	44.0	g/10 min	ASTM D-1238
Density	0.90	g/cm ³	ASTM D-792
Tensile Strength at Yield	3,980 (27)	psi (MPa)	ASTM D-638
Elongation at Break	>100	%	ASTM D-638
Flexural Modulus	164,000 (1,130)	psi (MPa)	ASTM D-790
Heat Deflection Temp. (4.6 kgf/cm ²)	95	Deg. C	ASTM D-648
Hardness, Rockwell	95R		ASTM D-785
Notched Izod Impact (23C)	0.64 (34)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact (-10C)	0.46 (24)	ft-lb/in (J/m)	ASTM D-256
Haze	25	%	ASTM D-1003

Premier Polymers cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties but they should not be used to establish specification limits or used alone as the basis of design.

*21 CFR 177.1520 (C)