



# Premier PR018M

## Random Copolymer Polypropylene

**MELT FLOW: 1.8**

**DENSITY: 0.90**

**Premier PR018M** is a nucleated/clarified random copolymer designed for extrusion and blow molding applications. It is noted for good transparency and gloss, stiffness, a high heat distortion temperature and high chemical resistance. It can be processed by injection blow molding and sheet extrusion. This grade is suitable for food contact, and is a "Phthalate-free" product. Typical applications include cosmetic, detergent, eye drop and food syrup bottles. This resin has \*FDA compliance.

<u>Resin Property</u>	<u>Typical Value</u>	<u>Units</u>	<u>Test Method</u>
Melt Flow	1.8	g/10 min	ASTM D-1238
Density	0.90	g/cm <sup>3</sup>	ASTM D-792
Tensile Strength at Yield	4,550 (31)	psi (MPa)	ASTM D-638
Elongation at Break	>300	%	ASTM D-638
Flexural Modulus	192,000 (1,320)	psi (MPa)	ASTM D-790
Heat Deflection Temp. (4.6 kgf/cm <sup>2</sup> )	100	Deg. C	ASTM D-648
Haze	20	%	ASTM D-1003
Notched Izod Impact (23C)	0.9 (49)	ft-lb/in (J/m)	ASTM D-256

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)