

Braskem Prisma™ 1910

An Unmatched Balance of Transparency and Impact Toughness For Thin Wall Injection Molding Applications

Unparalleled Performance Properties

In TWIM applications Prisma 1910 supplies an exceptional blend of characteristics typically seen when using single resins

- Stiffness and heat deflection temperature of a homopolymer
- Impact toughness of a heterophasic copolymer
- Clarity and optics similar to random copolymer
- FDA compliant for conditions A-H

Superior Processing Capabilities

Offering the ability to process in high demand applications similar to traditional polypropylene resins

- Easy mold filling in high-cavitation tooling
- Excellent mold-release
- Blends well with a variety of other resins
- Ability to lightweight

Application Diversity

Prisma 1910 can be used in a wide assortment of end use applications

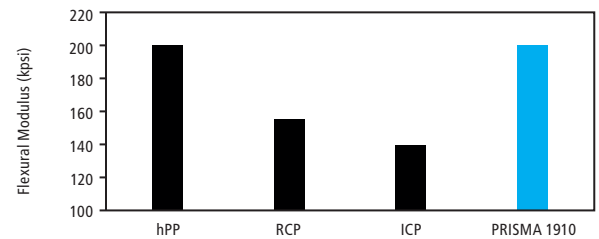
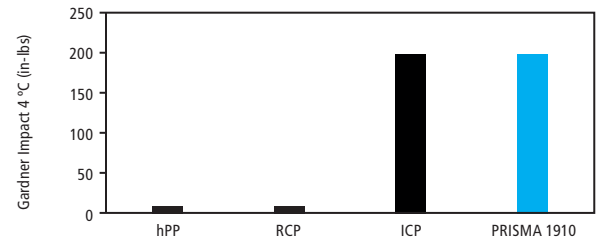
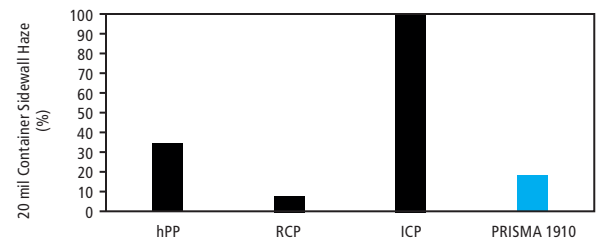
- Hot fill commercial applications
- Microwave reheating
- Freezer applications including ice-cream and gelato
- As a functional blend additive to improve the impact toughness of random copolymers



Impact Properties							
50° C	40° C	30° C	20° C	10° C	0° C	-10° C	-20° C
Homopolymer			Transition	Transition	Transition	Transition	Transition
Random Copolymer				Transition	Transition	Transition	Transition
Competitive High Clarity Impact					Transition	Transition	Transition
Braskem Prisma 1910						Transition	Transition
Polyolefin Elastomer Blends (non-clear)							
Ductile			Transition			Brittle	

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	ASTM Method	Units	Values
Nominal Melt Flow Rate (230° C / 2.16 kg)	D-1238	g/10 min	50
Haze (20 mil, 0.50 mm injection molded plaque)	D-1003	%	18
Gardner Impact (GC configuration, 0° C)	D5420-10	In-lbs.	200
Flex Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D-790A	PSI	200,000
Notched Izod Impact Strength (23° C)	D-256A	ft-lbs/in	2.0
Heat Deflection Temperature (66 PSI)	D-648B	°F	205



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