

Random Copolymer Polypropylene

PRB0202



EVALENE® PRB0202 is a high clarity, anti-static formulated random copolymer polypropylene blow molding grade.

EVALENE® PRB0202 is perfect for applications where high clarity is required. This random PP grade also delivers good stiffness and impact strength, as well as excellent temperature resistance, making it ideal for hot-fill applications.

EVALENE® PRB0202 can be used in a variety of blow molding applications including extrusion blow molding (EBM) and injection blow molding (IBM).

FEATURES

- Excellent clarity and aesthetic advantages
- Ease of processing
- Fast cycles
- High gloss
- Good mechanical properties
- Meets Philippine FDA food contact requirements
- Halal-certified

TYPICAL APPLICATIONS

- Hot-fill packaging
- Bottles for personal care products
- Bottles for cosmetics packaging
- Rigid packaging for consumer markets requiring high clarity

Product Properties

Property*	Test Condition	Standard	Typical Value	Unit
Melt Flow	230°C / 2.16kg	ASTM D1238	2	g/10 min.
Tensile Strength at Yield	50 mm/min	ASTM D638	27	MPa
Elongation at Yield	50 mm/min	ASTM D638	24	%
Tensile Modulus	1% Secant, 5 mm/min	ASTM D638	1435	MPa
Flexural Modulus	1% Secant, 1.3 mm/min	ASTM D790A	933	MPa
Rockwell Hardness		ASTM D785	R90	
Heat Deflection Temperature	0.455 MPa	ASTM D648	82	°C

* Obtained on injection molded specimens as specified by ASTM D4101

Recommended Processing Conditions:

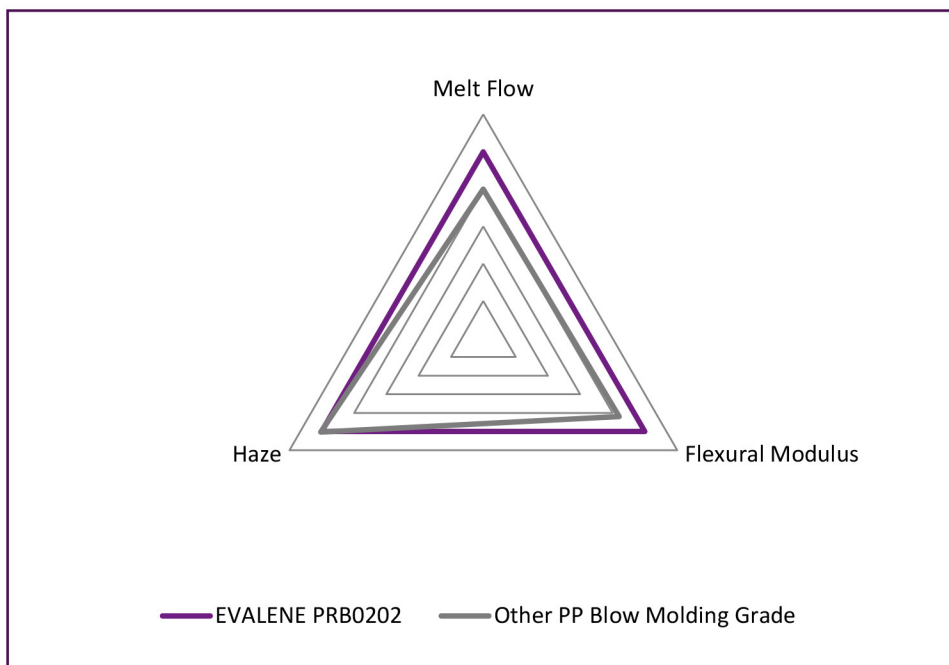
Extruder temperature: 200 °C

Mold temperature: 20 - 40 °C

Resin Property Comparison: EVALENE® PRB0202 and other PP blow molding grade

With **EVALENE® PRB0202's** melt flow advantage, less energy consumption and shorter cycle times can be realized.

EVALENE® PRB0202 combines excellent clarity and stiffness that impart good dimensional stability and outstanding display value to PP end products.



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