

Random Copolymer Polypropylene



PRJ1102

EVALENE[®] PRJ1102 Random Copolymer Polypropylene resin is designed for high transparency injection molding applications.

EVALENE[®] PRJ1102 is formulated with a high performance clarifier and anti-static additive, and is specifically intended for a broad range of injection molding applications requiring excellent product aesthetics including high transparency. This resin is designed to deliver improved cycle times and lower processing temperatures compared to other PP random copolymer injection molding grades.

FEATURES

- Medium Flow
- High transparency
- High impact strength
- Low warpage
- High surface gloss
- Meets Philippine FDA food contact requirements
- Halal-certified

TYPICAL APPLICATIONS

- Transparent Containers and Housewares
- Bottles
- Small Container Rigid Packaging

Product Properties

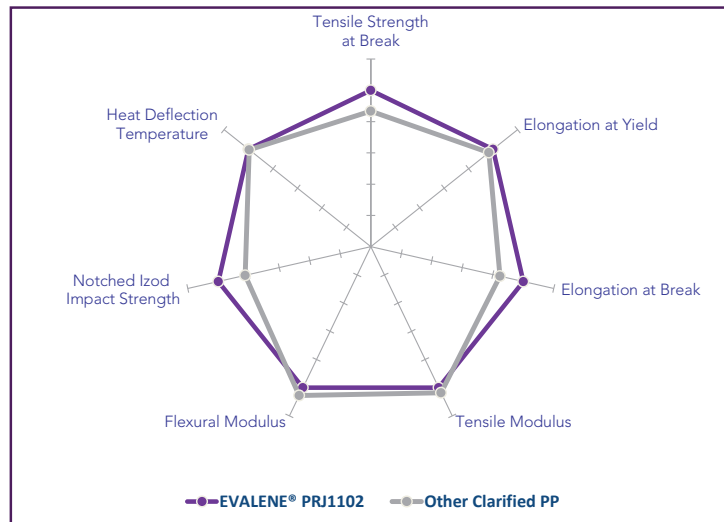
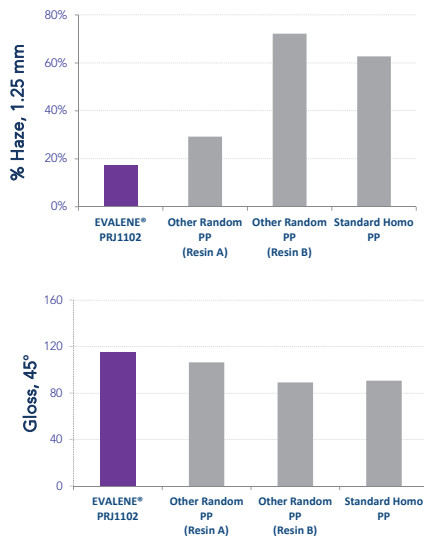
Property	Test Condition	Standard	Typical Value	Unit
Melt Flow	230°C / 2.16 kg	ASTM D1238	11	g/10 min
Tensile Strength at Yield*	50 mm/min	ASTM D638	29	MPa
Elongation at Yield*	50 mm/min	ASTM D638	24	%
Tensile Strength at Break*	50 mm/min	ASTM D638	24	MPa
Elongation at Break*	50 mm/min	ASTM D638	1183	%
Tensile Modulus*	1% Scant, 5 mm/min	ASTM D638	1453	MPa
Flexural Modulus	1% Secant 1.3 mm/min	ASTM D790A	935	MPa
Notched Izod Impact Strength	23°C	ASTM D256	24	J/m
Rockwell Hardness	R scale	ASTM D785	88	
Heat Deflection Temperature	0.455 MPa	ASTM D648	83	°C

*Tensile properties tested using Type I injection molded specimens

Typical Processing Conditions:

Extruder temperature: 200 °C
 Mold temperature: 20 - 40 °C

EVALENE[®] PRJ1102 provides superior transparency and enhanced aesthetic appeal to packaging containers with significantly reduced haze combined with improved surface gloss. The good combination of mechanical strength with excellent aesthetics benefits converters with ease of change over from other clarified PP grades in the market.



Disclaimer: Information provided herein is given for general purposes only. It is the customer's sole responsibility to test the product and any information provided herein to determine whether they are suitable for the customer's purposes. JGSPC MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS. Customers are strongly advised to review the applicable Material Safety Data Sheet before handling or using the product described herein.



Find out more about us at:
www.jgspetrochem.com