

Homopolymer Polypropylene

PHJ1202



EVALENE[®] PHJ1202 Homopolymer Polypropylene resin is ideal for all-purpose injection molding applications.

EVALENE[®] PHJ1202 resin is intended for use in a broad spectrum of injection molding applications requiring excellent balance of processability, rigidity and toughness. This resin has been designed for molded products that demand the optimum combination of performance and economics.

FEATURES

- Medium Flow
- Balanced mechanical properties
- Good impact/rigidity balance
- Good surface gloss
- Meets Philippine FDA food contact requirements
- Halal-certified

TYPICAL APPLICATIONS

- Caps and Closures
- General-purpose Containers
- Housewares & Toys
- Rigid Packaging

Product Properties

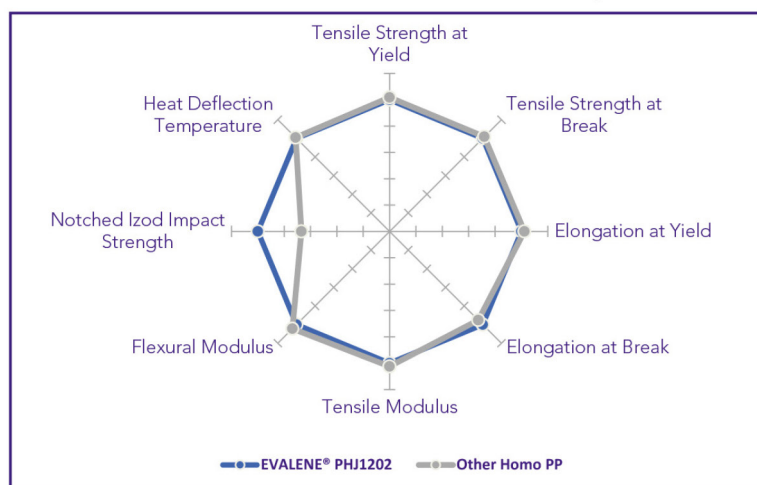
Property	Test Condition	Standard	Typical Value	Unit
Melt Flow	230°C / 2.16 kg	ASTM D1238	12.0	g/10 min
Tensile Strength at Yield*	50 mm/min	ASTM D638	33	MPa
Elongation at Yield*	50 mm/min	ASTM D638	19	%
Tensile Strength at Break*	50 mm/min	ASTM D638	20	MPa
Elongation at Break*	50 mm/min	ASTM D638	1090	%
Tensile Modulus*	1% Secant, 5 mm/min	ASTM D638	1829	MPa
Flexural Modulus	1% Secant 1.3 mm/min	ASTM D790A	1119	MPa
Notched Izod Impact Strength	23°C	ASTM D256	14	J/m
Heat Deflection Temperature	0.455 MPa	ASTM D648	93	°C
Rockwell Hardness	R scale	ASTM D785	103	

*Tensile properties tested using Type I injection molded specimens

Typical Processing Conditions:

Melt temperature: 180 - 220 °C
 Mold temperature: 20 - 40 °C

Mechanical Property Performance: EVALENE® PHJ1202 and other Homopolymer PP grade



EVALENE® PHJ1202 provides more balanced mechanical properties compared to the other homopolymer PP resin, delivering the more optimal functional benefits for injection molded products.

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