

Hyosung Topilene J801R PP

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene](#)

Material Notes: **J801R Injection Special Purpose Grade**

Applications: Electric home appliance

Characteristics:

- High stiffness
- Long-term heat resistance

Information provided by Hyosung Corporation

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Melt Flow	18.0 g/10 min	18.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	41.2 MPa	5970 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Modulus	2.01 GPa	292 ksi	ASTM D790
Izod Impact, Unnotched	0.343 J/cm	0.643 ft-lb/in	@ 23°C; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	ASTM D648
Vicat Softening Point	154 °C	309 °F	ASTM D1525

Descriptive Properties

Flammability	6B	UL 74 (@120°C)
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Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's disclaimer and terms of use regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.