

James Alexander Corporation

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Plastic Ampoule Technical Data Sheet

Polypropylene Blend JAC-PP-2

Property	Test Method	Unit	Value
Specific Gravity	ASTM D792	n/a	0.899
Tensile Strength	ASTM D638	psi	1890
Tensile Modulus	ASTM D638	psi	97800
Elongation	ASTM D638	%	>420
Flexural Strength	ASTM D790	psi	2020
Flexural Modulus	ASTM D790	psi	70000
Izod Impact Strength: Notched	ASTM D256	ft.lbs./in	11.35 (Non break)
Water Vapor Transmission Rate	ASTM F1249-90	g/100 in ² -day	0.0097
O ₂ Transmission Rate	ASTM F1307-02	cc/100 in ² -day	15.48

The polypropylene blend has also passed the following USP 36/NF 31 monograph tests: <661> tests for Nonvolatile Residue, Heavy Metals, Buffering Capacity, Multiple Internal Reflectance, and Thermal Analysis; USP <671> Polypropylene Containers- No Closure- Permeation Test

The information provided herein relates to general characteristics and attributes of James Alexander Corp.'s packaging products. The information is intended solely for Customer's evaluation purposes and shall not, under any circumstances, be disclosed to a third party. James Alexander Corp. makes no representations or warranties, either express or implied, including any implied warranty of merchantability or fitness regarding its packaging products.

James Alexander Corp. has no control over the substance(s) proposed for containment within its packaging products, nor to the environment to which the packaging products will be utilized or exposed. Customer acknowledges such and agrees that it, and not James Alexander Corp., is responsible for the chemical resistance of the packaging products.

Because no packaging product is universally impervious, Customer recognizes that it must thoroughly consider, evaluate, and test the compatibility of the packaging product and the exact chemical or combination of chemicals, reactive or otherwise, to be contained therein. Accordingly, the suitability of James Alexander Corp.'s packaging products for this or any other application is the sole and exclusive responsibility of Customer.

