

# James Alexander Corporation

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## Plastic Ampoule Technical Data Sheet

### Low Density Polyethylene Blend JAC-PE-1

Property	Test Method	Unit	Value
Specific Gravity	ASTM D792	n/a	0.92
Tensile Strength	ASTM D638	psi	1376
Tensile Modulus	ASTM D638	psi	28200
Elongation	ASTM D638	%	277
Flexural Strength	ASTM D790	psi	No Break
Flexural Modulus	ASTM D790	psi	26100
Izod Impact Strength: Notched/Unnotched	ASTM D256	ft.lbs./in	No break/No break
Water Vapor Transmission Rate	ASTM F1249-90	g/100 in <sup>2</sup> -day	0.0149
O <sub>2</sub> Transmission Rate	ASTM F1307-02	cc/100 in <sup>2</sup> -day	46.267

The low density polyethylene blend has also passed the following USP 28/NF 23 monograph tests: <661> tests for Nonvolatile Residue, Heavy Metals, Multiple Internal Reflectance, and Thermal Analysis; <671> test for Water Vapor Permeation (class A).

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