PS 200

Non-Spherical Polystyrene Investment Casting Material

Technical Data Sheet

POWDER PROPERTIES	TEST METHOD	ALM PS 200
Bulk Density	ASTM D1895	0.46 grams/CC
Ash Content	ASTM D482	0.02%
Sintered Part Density	ASTM D792	0.86 grams/CC

THERMAL PROPERTIES	TEST METHOD	ALM PS 200
Melting Point (Wax Infiltrated)	ASTM D3418	>63 Deg C
Glass Transition Point (Uninfiltrated)	ASTM D3418	89 Deg C

MECHANICAL PROPERTIES	TEST METHOD	ALM PS 200
Ultimate Tensile Strength (Infiltrated)	ASTM D638	2.84 MPa / 412 psi
Tensile Modulus (Infiltrated)	ASTM D638	1,604 MPa / 232 kpsi
Impact Strength (Infiltrated, notched)	ASTM D256	11 J/m / .21 ft-lb/in
Impact Strength (Infiltrated, unnotched)	ASTM D256	14 J/m / .26 ft-lb/in

Infiltrated with Red Wax #2-D504

Actual part properties may vary slightly from those listed above based on processing parameters, operating conditions, and material usage. The above properties were based on virgin ALM PS 200 using nominal operating parameters on a 2500+ platform. Advanced Laser Materials, LLC makes no warranties of materials for any particular application, nor does it make a warranty of any type, expressed or implied, including, but not limited to, the warranties of merchantability for a particular purpose.

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