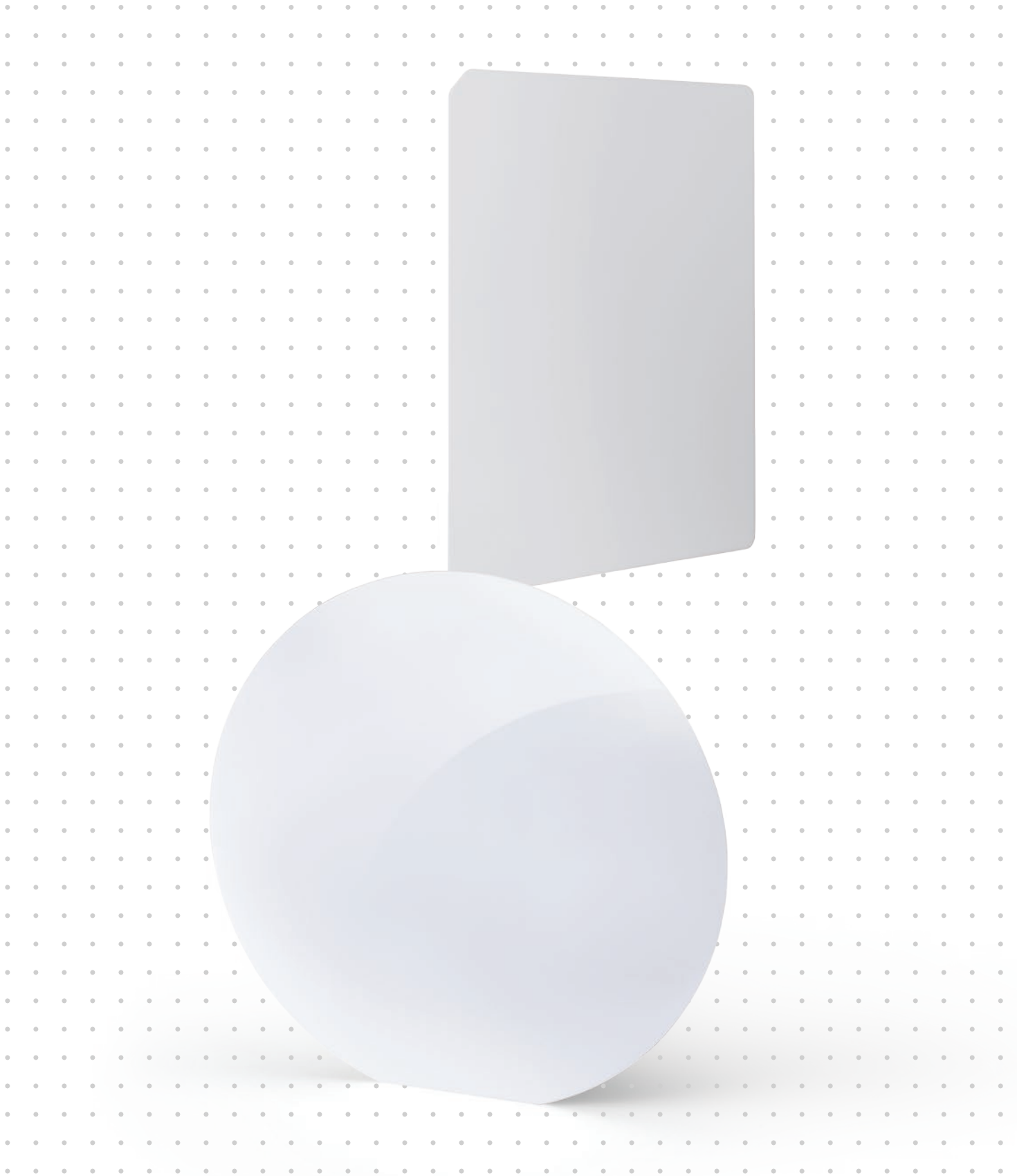





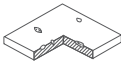

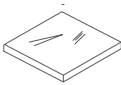
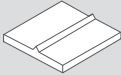
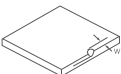
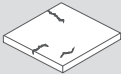
# Large Area Thick Film Substrate

Surface Imperfection Criteria



# Large Area Thick Film Ceramic Substrates (> 35 in<sup>2</sup>)

## Surface Imperfection Criteria

Surface Imperfections		Acceptance Criteria
<b>Burrs/Excess Body</b> Fragment of excess material or foreign particle adhering to the surface		None > 0.005" (0.127 mm) High
<b>Pits, Holes, and Pocks</b> A deep depression or void		None > 0.030" (0.508 mm) Diameter
<b>Blisters</b> Bubble or gaseous inclusion at the surface which, if broken, could form a pit, pock, or hole		None > 0.002" (0.025 mm) High
<b>Scratches</b> Relatively long, narrow, shallow groove or cut in the surface		None > 0.002" (0.050 mm) Deep
<b>Bumps, Fins, Ridges, Dents</b> Protrusion on the surface		None > 0.020" (0.5 mm) High.
<b>Chips</b> <u>Open:</u> Material broken off along an edge or corner <u>Closed:</u> Material has not broken off or separated		Print Face = None > 0.030" (0.762 mm) x 50% of thickness Waste Border = unlimited length x 100% of thickness
<b>Cracks</b> Line of fracture without complete separation		None

The criteria in this table applies to substrates with surface finish greater than 35 square inches. The acceptance criteria for these large area substrates (with surface areas greater than 35 square inches) will be provided with quotation.

Charts intended to illustrate typical properties. Property values vary with method of manufacture, size, and shape of part. Data contained herein is not to be construed as absolute and does not constitute a representation or warranty for which CoorsTek assumes legal responsibility. CoorsTek CoorsTek, and Amazing Solutions are registered trademarks of CoorsTek, Inc.



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