

# OPTIX<sup>®</sup> Acrylic Sheet Summary of Data Submitted

## PLASKOLITE

Test Required	Test Summary	Test Results
U.B.C. Standard 26-5 Smoke Density Rating (ASTM D2843)	(3) specimens 1" x 1" w/thickness intended for use, burned in a chamber w/light, photo cell & meter. Area (in %) under light absorption-time curve is smoke density rating.	0.36% (must be no greater than 75)
U.B.C. Standard 26-6 Self-ignition Temperature (ASTM D1929)	Sheet samples 0.75" x 0.75" w/thickness so total specimen weight is 3gm. Method determines self-ignition temp using a hot-air ignition furnace	833 °F (must be 650 °F or greater)
U.B.C. Standard 26-7 Classification of Plastic (ASTM D635)	(10) specimens 5" x 0.5" x nominal 0.060" thickness burned horizontally. Time & extent of burning measured and classified as CC1 (1 in/min or less) or CC2 (2.5 in/min or less)	1.02 in/min (CC2 classification)
Acceptance Criteria AC16 Weathering & Strength (ASTM D1499, D256)	(2) 3"x 9" panels, one panel as control, subjected to 2000-hr carbon-arc weathering & followed by visual inspection; (5) 5" x 0.5" specimens from both panels evaluated for impact by Charpy Test. Thickness as Intended for use	No visual defects. Less than 25% reduction in impact strength