

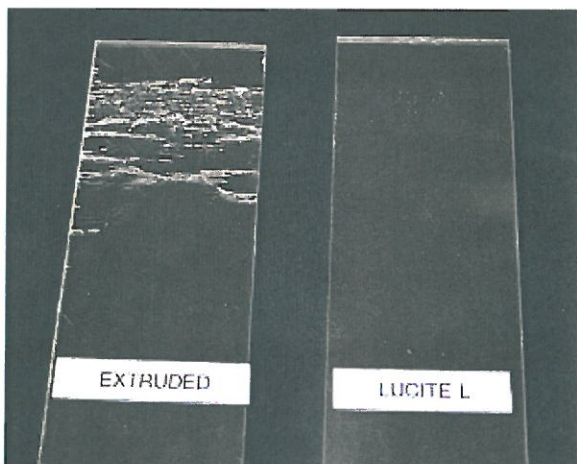
lucitelux craze resistance

TECHNICAL SERVICE DOCUMENT

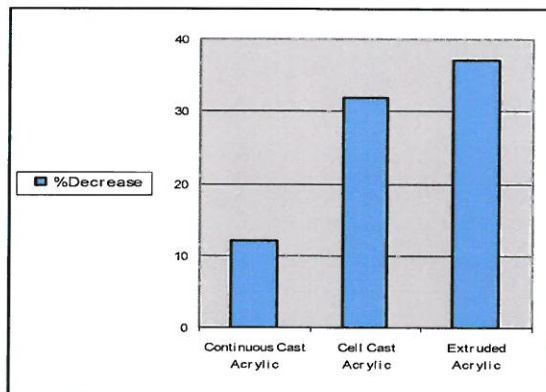
Crazing is a term used to describe a series of minute cracks in the surface of a material. The surface of acrylic may develop these cracks as a result of exposure to an organic liquid or its vapor with or without mechanical stresses.

LuciteLux™ is a continuous cast acrylic sheet with high resistance to the craze phenomenon. In craze resistance evaluations, LuciteLux continuous cast acrylic sheet regularly surpassed the competitor's extruded and cell cast acrylic sheet.

Coordinating craze resistance tests with respect to ASTM D543, practice B, LuciteLux™ yielded less than a 15% decrease in mechanical properties after exposure to various chemical reagents.



Photograph depicts the excellent craze resistance properties of LuciteLux™ Continuous Cast sheet as compared to extruded acrylic sheet. Results after 5 minutes on craze test rig (threshold strain test jig – Finn Hanover).



Note: Graph indicates an average decrease in mechanical properties of the samples when exposed to the following reagents: 70% isopropyl alcohol, 70% ethanol, 100% ethanol, methanol and acetone. All acrylic samples were comparable in thickness and conditioned prior to testing. The Finn-Hanover strain test jig was used with wet strip application. Continuous Cast acrylic sample is LuciteLux™ sheet as compared to competition.



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Lucite International is a global leader in the design, development and manufacture of acrylic based products including two of the world's best-known material brands, Lucite® and Perspex® from Lucite

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