

GREENGUARD

100% of Lumiform (PETG) resin is GREENGUARD Indoor Air Quality Certified® by the GREENGUARD Environmental Institute under the GREENGUARD Standard for Low Emitting Products. This certification can be found under General Construction Materials as manufactured by Eastman Chemical Company, with certification details as follows:

**Certification Details (Lumiform Resin Only):**

Certification No	2949-410
Certification Status	Certified
Certification Period(s)	07/2006 - 07/2025
Certification Restrictions	NONE

GREENGUARD INDOOR AIR QUALITY STANDARD FOR LOW-EMITTING PRODUCTS

GREENGUARD Indoor Air Quality Certified Products meet the following minimum emission requirements:

CATEGORY: General Construction Materials

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.50	mg/m ³
Formaldehyde	50-00-0	61.3 (50 ppb)	µg/m ³
Total Aldehydes _(B)	-	0.10	ppm
Particle Matter less than 10 µm _(C)		50	µg/m ³
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
Individual VOCs _(D)	-	1/10th TLV	-

(A) Defined to be the total response of measured VOCs falling within the C₆ - C₁₆ range, with responses calibrated to a toluene surrogate.

(B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

(C) Particle emission requirement only applicable to HVAC Dust Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.

(D) Allowable levels for chemicals not listed are derived from 1/10th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).

For more information or a printable certificate, please visit the GREENGUARD web site at www.greenguard.org.

The information and data contained within this document pertain to the properties of Lumicor base copolyester material only. We believe this information to be reliable. The samples and information supplied are intended for use by skilled persons at their own risk. Users should verify for themselves that the information provided is suited for user's intended application. Lumicor makes no expressed or implied warranty, including, without limitation, the warranties of merchantability, fitness for a particular purpose (even if that purpose is known to Lumicor), or from any course of dealing or trade usage regarding any materials supplied hereunder. This warranty does not cover damage caused by mishandling, misuse, improper installation, damage from excessive heat or exposure to weather, physical or chemical abuse, or acts of nature.