



## PLEXIGLAS® - Fire ratings

Approvals | Fire ratings | Transportation

### Overview of fire certificates

PLEXIGLAS® is classified according to all major European and U.S. fire standards.

- Grades are divided into 'all' and 'some' grades.
- The classification is given in decreasing order of difficulty.

### Fire rating of PLEXIGLAS®

| Country Certificate   | Class   | GS sheets        | XT sheets        | Multi-skin sheets |
|---|---|------------------|------------------|-------------------|
| USA<br>UL 94  | V-0<br>V-1<br>V-2<br>HB                             | all from 1.5 mm  | all from 1.5 mm  | all               |
| Europe<br>DIN EN 13501  | E   | from 3 mm        | from 2 mm        | all               |
| Germany<br>DIN 4102   | B2  | all              | all              | all*)             |
| German building<br>inspectorate test report   |   | all from 3 mm    | all from 1,8 mm  | all               |
| U.K.<br>BS 476, Part 6+7  | Class 0<br>Class 1<br>Class 2<br>Class 3<br>Class 4 | from 3 mm<br>all | some<br>all      | all               |
| BS 2782,<br>Meth. 508 A   | TP(b)   | 3 mm             | 3 mm             |                   |
| Italy<br>CSE/RF 2/75A and 3/77  | Class 1<br>Class 2<br>Class 3<br>Class 4<br>Class 5 | all              | all              | all               |
| Netherlands<br>NEN 3883   | Class 1<br>Class 2<br>Class 3<br>Class 4            | all              | all              | all               |
| Austria<br>B 3800   | B2  | all              | all              | all               |
| Switzerland   | IV<br>III   | all              | all              | all               |
| Oxygen index<br>LOI in % to ISO 4589  |   | 17,5             | 17,5             |                   |
| Ignition temperature<br>°C to DIN 51794   |   | 425              | 430              | 430               |
| Glow-wire<br>ignition<br>temperature test<br>method for<br>materials<br>DIN EN 60695-2-12 | GWIT<br>GWFI  | 675 °C<br>650 °C | 675 °C<br>650 °C |                   |

\*) All PLEXIGLAS® SP multi-skin sheets with edge protection are in Class B2

### Fire behavior

PLEXIGLAS® generates in principle very little smoke, its combustion gases are non-toxic (DIN 53436) and non-corrosive. [more](#)