

Fire Rating

Fire Rating of PLEXIGLAS® Molding Compounds

The statements made on fire rating apply to the following products (in crystal-clear and all currently available colors including all diffusing grades):

PLEXIGLAS®	PLEXIGLAS® Resist	PLEXIGLAS® Heatresist	PLEXIGLAS® Optical
PLEXIGLAS® 6N	PLEXIGLAS® Resist zk20	PLEXIGLAS® Heatresist FT15	PLEXIGLAS® Optical POQ62
PLEXIGLAS® 7N	PLEXIGLAS® Resist zk30	PLEXIGLAS® Heatresist hw55	PLEXIGLAS® Optical POQ64
PLEXIGLAS® 7M	PLEXIGLAS® Resist zk40	PLEXIMID® 8805	PLEXIGLAS® Optical POQ66
PLEXIGLAS® 7H	PLEXIGLAS® Resist zk50	PLEXIMID® 8813	
PLEXIGLAS® 8N	PLEXIGLAS® Resist zk4BR	PLEXIMID® 8817	
PLEXIGLAS® 8H	PLEXIGLAS® Resist zk5BR		
	PLEXIGLAS® Resist zk6BR		
PLEXIGLAS® LED	PLEXIGLAS® Resist zk4HC	PLEXIGLAS® Hi-gloss	PLEXIGLAS® Satinice
PLEXIGLAS® LED 8N LD12	PLEXIGLAS® Resist zk5HC	PLEXIGLAS® Hi-Gloss NTA-1	PLEXIGLAS® Satinice df20
PLEXIGLAS® LED 8N LD24	PLEXIGLAS® Resist zk6HC	PLEXIGLAS® Hi-Gloss NTA-3	PLEXIGLAS® Satinice df21
PLEXIGLAS® LED 8N LD48	PLEXIGLAS® Resist zk5HF	PLEXIGLAS® Hi-Gloss NTA-4	PLEXIGLAS® Satinice df22
PLEXIGLAS® LED 8N LD96	PLEXIGLAS® Resist zk6HF	PLEXIGLAS® Hi-Gloss FT15	PLEXIGLAS® Satinice df23

DIN 4102 Part 1, Fire rating of building materials and structural components, B2 – normally flammable, August 1998

From a test specimen thickness of 2 mm onwards, all products mentioned are rated B2 to DIN 4102 Part 1.

FMVSS 302, Fire rating of automotive interior trim (comparable with DIN 75200, ISO 3795, EU Directive 95/28/EG), January 1971

This test method serves to determine the burning rate of automotive interior trim, structural components and parts of these, as well as of composites, in a horizontal experimental setup.

FMVSS 302 is fulfilled by all products mentioned from a test specimen thickness of 1.5 mm onwards.

UL – 94, Fire rating of plastics, June 1991

This standard describes different test methods for determining the combustibility / flammability of plastics in facilities and apparatus used in the electricity sector.

UL – 94 HB is fulfilled by all products mentioned from a test specimen thickness of 1.5 mm onwards. For most of our grades so-called Yellow-Cards are available.

IEC 60695–11–10, Fire rating of plastics, May 2004

This standard describes different test methods for determining the combustibility / flammability of plastics in facilities and apparatus used in the electricity sector.

The standard is fulfilled by all products mentioned from a test specimen thickness of 1.5 mm onwards according to IEC 60695–11–10 HB 75.

DIN IEC 60695–2–12, Test method to evaluate the fire risk, (comparable with VDE 0471 Part 1–12), November 2001

The test with the glow wire feigns thermal stress caused by glowing elements or overloaded resistors and constituting a fire risk.

DIN IEC 695 is fulfilled by all products mentioned from a test specimen thickness up to 3 mm and at a temperature of about 675°C.

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