



Cheat Sheet: Certificates for the Windenergy Sector

Germany

DIN 4102-1	Fire behavior of building materials and elements, Part 1: Classification of building materials (Fire Standard)
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England

BS 476 Part 6 & 7	Fire propagation test for materials & Surface spread of flame test for materials (Fire propagation & Spread of Flame)
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France

NF P 92-501	Fire behavior of building materials (Fire propagation)
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USA

ASTM D 6194 / IEC 60695-2-12	Glow wire test (Inflammability)
UL 94	Test for flammability of plastic materials (Inflammability)
ASTM E84 / UL 723	Surface burning characteristics of building (Flame Spread & Smoke Developed Index)
ASTM D 2863 / ISO 4589-2	Limiting Oxygen Index (Results of the fire resistance according to the oxygen index)

Switzerland

VKF	Materials and components (flammability & smoke dispersion index)
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International

ISO 527-5	Determination of tensile properties (Tensile Strength at break point, Modulus of Elasticity & Accelerated Ageing Test exposure, Accelerated Ageing Test by salt spray exposure, Accelerated Ageing Test by UV and salt spray exposure)
ISO 4892-2	Methods of exposure to laboratory light sources (Modulus of Elasticity, Accelerated Ageing Test by UV, and salt spray exposure)
ISO 9227	(Accelerated Ageing Test by salt spray exposure)
ISO 11359-2	Thermomechanical analysis TMA (Determination of coefficient of linear thermal expansion and glass transition temperature)
IEC 60079-0	Explosive atmospheres (Surface Resistivity & Measure of the discharge from a charged surface)
IEC 60243-1	Electric strength of insulating materials (Breakage Voltage)
IEC 60112	Method for the determination of the proof and the comparative tracking indices of solid insulating materials (Comparative tracking index)
IEC 60695-2-12	Glow wire test (Inflammability, Fire hazard testing)
ISO 62	Determination of water absorption (Determination of water absorption)