

## Classification criteria

EN ISO 1716  
Calorific value

EN 50399  
Heat release in fire

EN 50399  
No fire propagation

EN 60332-1-2  
No flame propagation

## Additional classification

only for classes B1ca, B2ca, Cca and Dca

EN 50399  
Smoke emission **S**

EN 61034  
Smoke density **S**

EN 50399  
Burning droplets **d**

EN 60754-2  
Acidity **a**

EN ISO 1716 Calorific value	EN 50399 Heat release in fire	EN 50399 No fire propagation	EN 60332-1-2 No flame propagation	Class	Building safety	Flammability properties	Class	EN 50399 Smoke emission <b>S</b>	EN 61034 Smoke density <b>S</b>	EN 50399 Burning droplets <b>d</b>	EN 60754-2 Acidity <b>a</b>
<b>X</b>				<b>Aca</b>	very high	non-flammable	<b>Aca</b>	—	—	—	—
	<b>X</b>	<b>X</b>	<b>X</b>	<b>B1ca</b>	very high	hardly inflammable, very low heat release	<b>B1ca</b>	s1, s1a, s1b, s2, s3	s1, s1a, s1b, s2, s3	d0, d1, d2	a1, a2, a3
	<b>X</b>	<b>X</b>	<b>X</b>	<b>B2ca</b>	very high	hardly inflammable, low heat release	<b>B2ca</b>	s1, s1a, s1b, s2, s3	s1, s1a, s1b, s2, s3	d0, d1, d2	a1, a2, a3
	<b>X</b>	<b>X</b>	<b>X</b>	<b>Cca</b>	high	normally inflammable, low heat release	<b>Cca</b>	s1, s1a, s1b, s2, s3	s1, s1a, s1b, s2, s3	d0, d1, d2	a1, a2, a3
	<b>X</b>		<b>X</b>	<b>Dca</b>	medium	normally inflammable, medium heat release	<b>Dca</b>	s1, s1a, s1b, s2, s3	s1, s1a, s1b, s2, s3	d0, d1, d2	a1, a2, a3
			<b>X</b>	<b>Eca</b>	low	normally inflammable, no flame propagation	<b>Eca</b>	—	—	—	—
			<b>X</b>	<b>Fca</b>	low	no limitations	<b>Fca</b>	—	—	—	—

s1 = low smoke formation  
s1a = little smoke, light transmission > 80%  
s1b = little smoke, light transmission > 60% < 80%  
s2 = medium smoke formation  
s3 = unlimited smoke formation possible

d0 = no burning droplets / particles  
d1 = short-time burning droplets / particles  
d2 = unreserved drip-off possible

a1 = slightly corrosive fumes  
a2 = medium corrosive fumes  
a3 = heavily corrosive fumes