

**Product Texts**

Flame Retardant (halogen free), Heat Stabilized

ISO 1043 PA6 FR(30)

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	1.0 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.0 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	4200 / 1600	MPa	ISO 527
<sup>[C]</sup> Yield stress	70 / 35	MPa	ISO 527
<sup>[C]</sup> Yield strain	3 / 30	%	ISO 527
<sup>[C]</sup> Nominal strain at break	4 / >50	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	40 / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	4 / 9	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	3 / 5	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-
<sup>[C]</sup> Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	3.0 / *	mm	-
Yellow Card available	yes / *	-	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	3.3 / 8	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	3.2 / 3.6	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	90 / 1250	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	200 / 800	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	>1E13 / 1E11	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	30 / 25	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	600 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	7.5 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	2 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1210 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free, Heat stabilized or stable to heat

## Akulon® K225-KV

PA6 FR(30)

Envalior

### Delivery form

Pellets

### Regional Availability

Asia Pacific

### Additives

Release agent

### Other text information

#### Injection molding

[Injection Molding Recommendations](#)

[Steel recommendations for molds screws and barrels](#)

[Trouble shooting guideline for injection molding](#)