

**Product Texts**

Very High Viscosity, Food Contact Quality, Lubricated

ISO 1043 PA6

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Ejection temperature	185	°C	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	3200 / -	MPa	ISO 527
<sup>[C]</sup> Yield stress	85 / -	MPa	ISO 527
<sup>[C]</sup> Yield strain	4 / -	%	ISO 527
<sup>[C]</sup> Nominal strain at break	>50 / -	%	ISO 527

[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> Coeff. of linear therm. expansion, parallel	100 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-
<sup>[C]</sup> Burning Behav. at thickness h	HB / *	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	3.4 / -	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	3.1 / -	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	65 / -	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	165 / -	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / 1E15	Ohm	IEC 62631-3-2
<sup>[C]</sup> Electric strength	25 / -	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Water absorption	9.5 / *	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	2.5 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1130 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Viscosity number	370 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Processing conditions acc. ISO	1874	-	ISO ....-2
<sup>[C]</sup> Injection Molding, melt temperature	275	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

# Akulon® F150-CZ

PA6

Envalior

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Injection Molding, injection velocity	200	mm/s	ISO 294
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[C]: CAMPUS

## Characteristics

### Processing

Profile Extrusion, Sheet Extrusion, Other Extrusion

### Delivery form

Pellets

### Additives

Lubricants

### Certifications

Food contact

### Regional Availability

Europe