

**Product Texts**

Film Extrusion, Very High Viscosity, Lubricated, Food Contact Quality

ISO 1043 PA6

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	90 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	90 / *	E-6/K	ISO 11359-1/-2

[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

Film Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Stress at yield, parallel	31 / *	MPa	ISO 527-3
<sup>[C]</sup> Maximum stress, parallel	83 / *	MPa	ISO 527-3
<sup>[C]</sup> Maximum strain, parallel	350 / *	%	ISO 527-3
<sup>[C]</sup> Trouser Tear resistance, parallel	32 / *	N/mm	ISO 6383-1
<sup>[C]</sup> Dynamic coefficient of friction	1 / *	-	ISO 8295
<sup>[C]</sup> WVTR, 23°C/85%r.h.	35 / *	g/(m <sup>2</sup> *d)	ISO 15106-1/-2
<sup>[C]</sup> Oxygen transmission rate, 23°C/0%r.h.	27 / *	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
<sup>[C]</sup> Oxygen transmission rate, 23°C/85%r.h.	39 / *	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
<sup>[C]</sup> Type of extrusion	cast / *	-	-
<sup>[C]</sup> Thickness of specimen	0.05 / *	mm	-

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Viscosity number	245 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

[C]: CAMPUS

**Characteristics****Processing**

Film Extrusion, Other Extrusion

**Certifications**

Food contact

**Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific

**Additives**

Lubricants

**Other text information****Film extrusion**[Processing of Akulon® Film Grades](#)