

**Product Texts**

Medium Viscosity, Nucleated, Lubricated, Film Extrusion, Food Contact Quality

ISO 1043 PA6

Thermal properties	Value	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	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	9	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	2.8	%	Sim. to ISO 62
<sup>[C]</sup> Density	1130	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Film Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Stress at yield, parallel	34	MPa	ISO 527-3
<sup>[C]</sup> Maximum stress, parallel	96	MPa	ISO 527-3
<sup>[C]</sup> Maximum strain, parallel	350	%	ISO 527-3
<sup>[C]</sup> Trouser Tear resistance, parallel	33	N/mm	ISO 6383-1
<sup>[C]</sup> Dynamic coefficient of friction	0.8	-	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.	20	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.	31	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	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Viscosity number	195	cm <sup>3</sup> /g	ISO 307, 1157, 1628

[C]: CAMPUS

**Characteristics****Processing**

Film Extrusion, Other Extrusion, Casting

**Features**

Nucleated

**Delivery form**

Pellets

**Certifications**

Food contact

**Additives**

Lubricants

**Regional Availability**

North America, Europe, Asia Pacific

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