

Product Texts

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

ISO 1043 PA6

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2700	MPa	ISO 527
^[C] Yield stress	78	MPa	ISO 527
^[C] Yield strain	4	%	ISO 527

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
^[C] Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	90	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	9.5	%	Sim. to ISO 62
^[C] Humidity absorption	2.5	%	Sim. to ISO 62
^[C] Density	1130	kg/m ³	ISO 1183

[C]: CAMPUS

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

[C]: CAMPUS

Material specific properties	Value	Unit	Test Standard
ISO Data			
^[C] Viscosity number	245	cm ³ /g	ISO 307, 1157, 1628

[C]: CAMPUS

Characteristics**Processing**

Film Extrusion, Other Extrusion

Certifications

Food contact

Delivery form

Pellets

Regional Availability

Europe, Asia Pacific

Additives

Lubricants

Other text information

Film extrusion

[Processing of Akulon® Film Grades](#)