

Product Texts

Very High Viscosity, Lubricated, Food Contact Quality

ISO 1043 PA6

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Ejection temperature	185	°C	-

[C]: CAMPUS

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

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
^[C] Coeff. of linear therm. expansion, parallel	100 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	3.4 / -	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3.1 / -	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	65 / -	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	165 / -	E-4	IEC 62631-2-1
^[C] Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E15	Ohm	IEC 62631-3-2
^[C] Electric strength	25 / -	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	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

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Viscosity number	450 / *	cm ³ /g	ISO 307, 1157, 1628

[C]: CAMPUS

Characteristics**Processing**

Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Additives

Lubricants

Certifications

Food contact

Regional Availability

Europe