



This datasheet of **Akulon® F160-Z** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® F160-Z | PA6 | Envalior

Product Texts

Very High Viscosity, Lubricated, Food Contact Quality

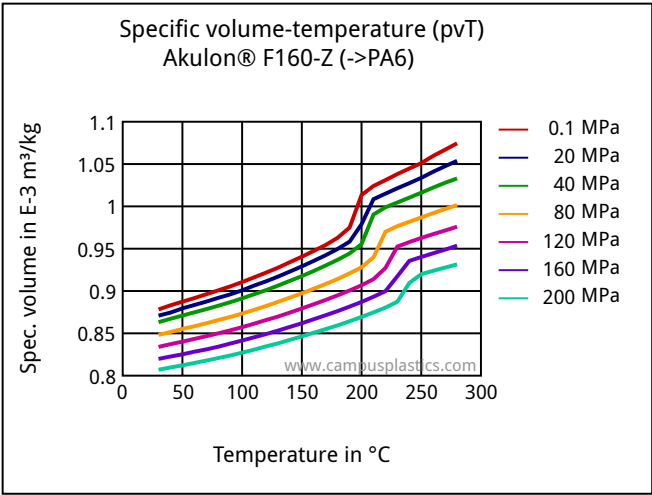
ISO 1043 PA6

Mechanical properties	dry / cond	Unit
Tensile modulus	3200 / -	MPa
Yield stress	85 / -	MPa
Yield strain	4 / -	%
Nominal strain at break	>50 / -	%
Thermal properties	dry / cond	Unit
Melting temperature, 10°C/min	220 / *	°C
Coeff. of linear therm. expansion, parallel	100 / *	E-6/K
Electrical properties	dry / cond	Unit
Relative permittivity, 100Hz	3.4 / -	-
Relative permittivity, 1MHz	3.1 / -	-
Dissipation factor, 100Hz	65 / -	E-4
Dissipation factor, 1MHz	165 / -	E-4
Volume resistivity	1E13 / -	Ohm*m
Surface resistivity	* / 1E15	Ohm
Electric strength	25 / -	kV/mm

Other properties	dry / cond	Unit
Water absorption	9.5 / *	%

Humidity absorption	2.5 / *	%
Density	1130 / -	kg/m ³
Material specific properties	dry / cond	Unit
Viscosity number	450 / *	cm ³ /g
Rheological calculation properties	Value	Unit
Ejection temperature	185	°C

Diagrams



Characteristics

Processing

Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Additives

Lubricants

Regional Availability

Europe

Chemical Media Resistance

Alcohols

Methanol (23°C)

Ethanol (23°C)

Hydrocarbons

Toluene (23°C)

Ketones

Acetone (23°C)

Ethers

Diethyl ether (23°C)

Other

Ethyl Acetate (23°C)

Water (23°C)

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