



This datasheet of **Akulon® F136-DH** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® F136-DH | PA6 | Envalior

Product Texts

High Viscosity, Nucleated, Heat Stabilized, Tube Extrusion

ISO 1043 PA6

Mechanical properties	Value	Unit
Tensile modulus	3150	MPa
Yield stress	85	MPa
Yield strain	4	%
Nominal strain at break	45	%
Charpy impact strength, +23°C	N	kJ/m²
Charpy notched impact strength, +23°C	5.5	kJ/m²

Thermal properties	Value	Unit
Melting temperature, 10°C/min	220	°C
Temp. of deflection under load, 1.80 MPa	60	°C
Temp. of deflection under load, 0.45 MPa	170	°C
Coeff. of linear therm. expansion, parallel	100	E-6/K
Burning behavior at 1.5 mm nominal thickness	HB	class
Thickness tested (1.5)	1.5	mm
Yellow Card available	Yes	-
Burning behavior at thickness h	HB	class
Thickness tested (h)	3.0	mm
Yellow Card available	Yes	-

Electrical properties	Value	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
Electric strength	25	kV/mm
Comparative tracking index	600	-

Other properties

Water absorption	9.5	%
Humidity absorption	2.5	%
Density	1130	kg/m³

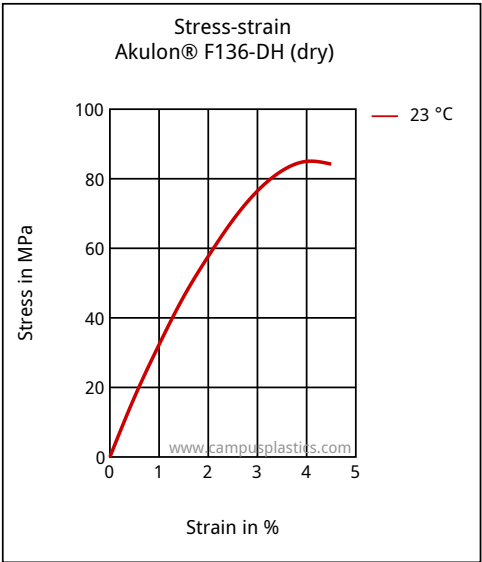
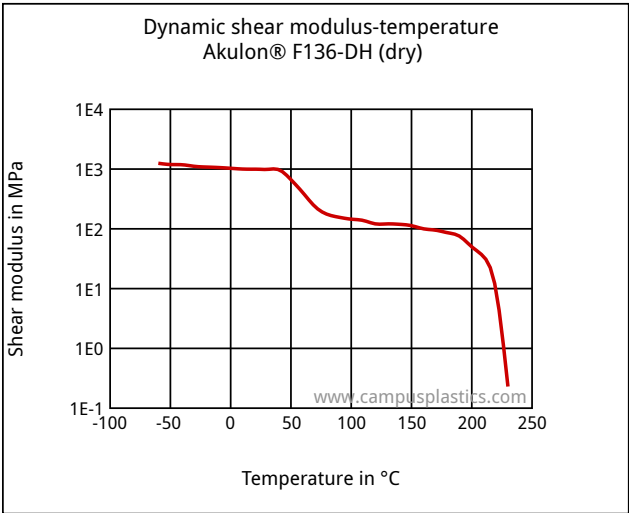
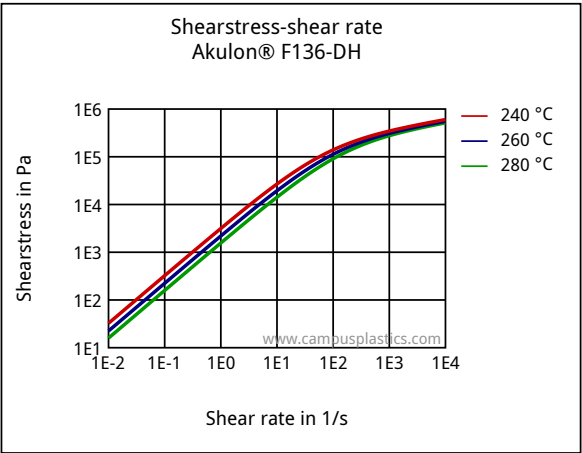
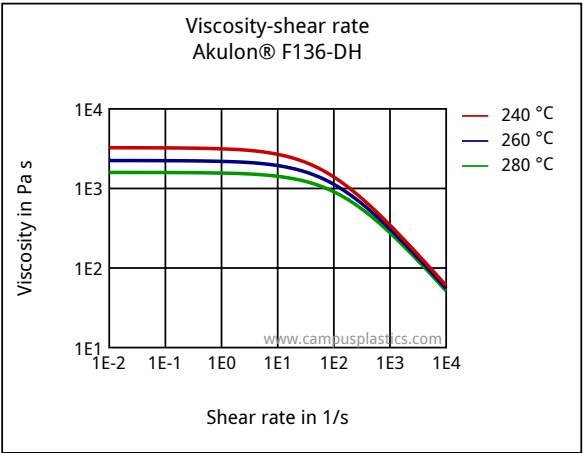
Material specific properties

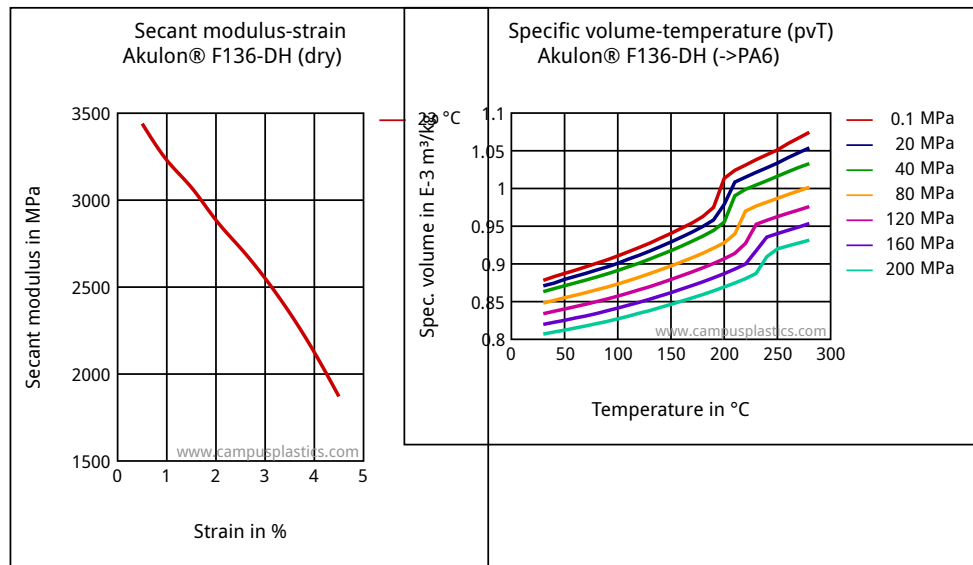
Viscosity number	245	cm³/g
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Film Properties

Dynamic coefficient of friction	0.8	-
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Diagrams





Characteristics

Processing

Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe

Other text information

Injection molding

Injection Molding Recommendations

Film extrusion

Processing of Akulon® Film Grades

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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