



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

Akulon® F136-C | PA6 | Envalior

Product Texts

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

ISO 1043 PA6

Thermal properties

	dry / cond	Unit
Melting temperature, 10°C/min	220 / *	°C
Coeff. of linear therm. expansion, parallel	90 / *	E-6/K
Coeff. of linear therm. expansion, normal	90 / *	E-6/K

Other properties

	dry / cond	Unit
Water absorption	9.5 / *	%
Humidity absorption	2.5 / *	%
Density	1130 / -	kg/m³

Material specific properties

	dry / cond	Unit
Viscosity number	245 / *	cm³/g

Film Properties

	dry / cond	Unit
Stress at yield, parallel	31 / *	MPa
Maximum stress, parallel	83 / *	MPa
Maximum strain, parallel	350 / *	%
Trouser tear resistance, parallel	32 / *	N/mm
Dynamic coefficient of friction	1 / *	-
WVTR, 23°C/85%r.h.	35 / *	g/(m²*d)
Oxygen transmission rate, 23°C/0%r.h.	27 / *	cm³/(m²*d*bar)
Oxygen transmission rate, 23°C/85%r.h.	39 / *	cm³/(m²*d*bar)
Type of extrusion	cast / *	-

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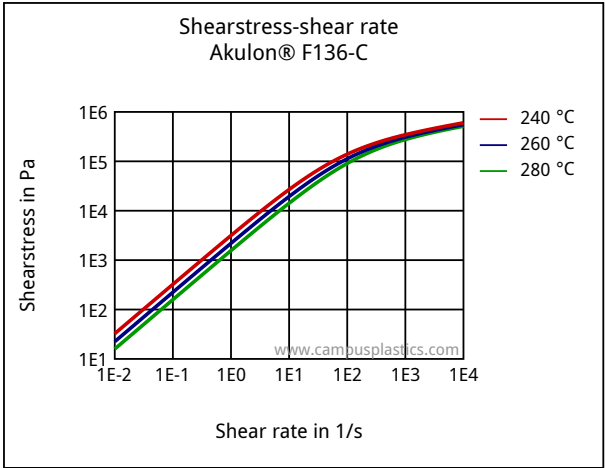
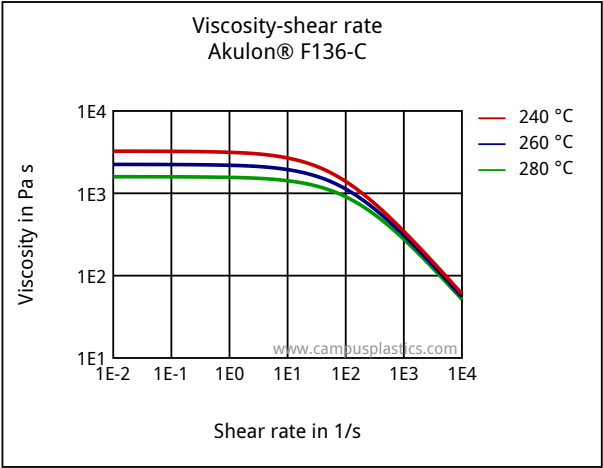
Thickness of specimen

0.05 / * mm

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Diagrams



Characteristics

Processing

Film Extrusion, Other Extrusion

Delivery form

Pellets

Additives

Lubricants

Regional Availability

Europe, Asia Pacific

Other text information

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)

Ethyl Acetate (23°C)

Water (23°C)

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Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

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