



This datasheet of **Akulon® F127** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® F127 | PA6 | Envalior

Product Texts

Low/Medium Viscosity, Film Extrusion, Food Contact Quality

ISO 1043 PA6

Thermal properties	Value	Unit
Melting temperature, 10°C/min	220	°C
Coeff. of linear therm. expansion, parallel	90	E-6/K
Coeff. of linear therm. expansion, normal	100	E-6/K

Other properties	Value	Unit
Water absorption	9.5	%
Humidity absorption	2.5	%
Density	1130	kg/m³

Material specific properties	Value	Unit
Viscosity number	168	cm³/g

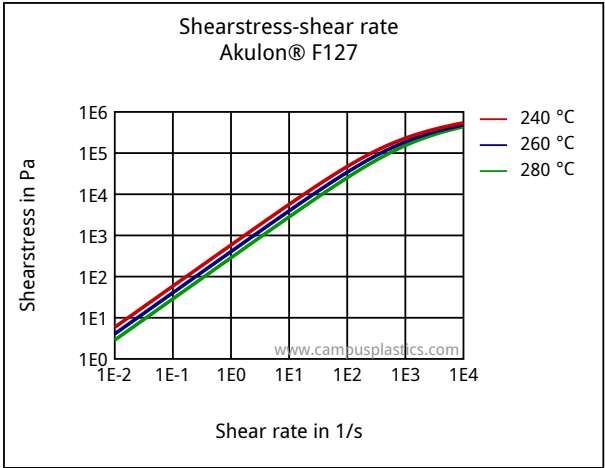
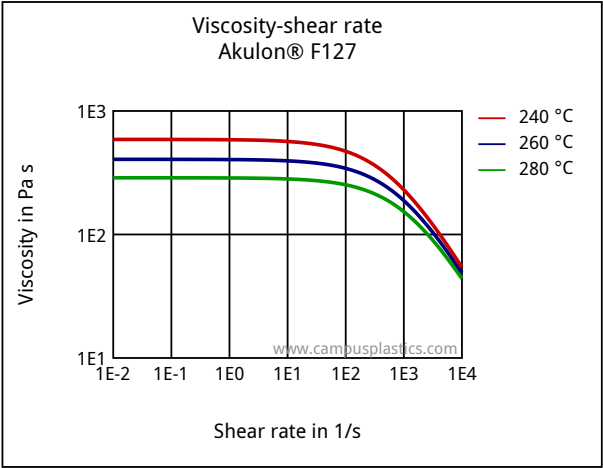
Film Properties	Value	Unit
Stress at yield, parallel	32	MPa
Maximum stress, parallel	80	MPa
Maximum strain, parallel	350	%
Trouser tear resistance, parallel	32	N/mm
Dynamic coefficient of friction	1.2	-
WVTR, 23°C/85%r.h.	35	g/(m²*d)
Oxygen transmission rate, 23°C/0%r.h.	26	cm³/(m²*d*bar)
Oxygen transmission rate, 23°C/85%r.h.	38	cm³/(m²*d*bar)
Type of extrusion	cast	-

Thickness of specimen 0.05 mm

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Diagrams



Characteristics

Processing

Film Extrusion, Other Extrusion, Casting

Delivery form

Pellets

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)

Other

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Ethyl Acetate (23°C)

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Water (23°C)

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