



This datasheet of **Akulon® F-X9171** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® F-X9171 | PA6 | Envalior

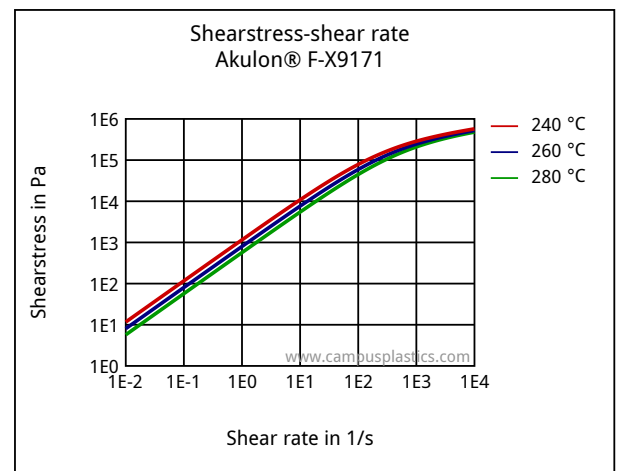
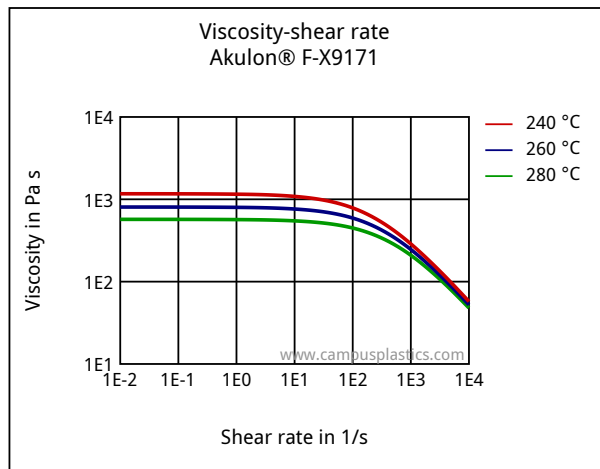
Product Texts

Medium Viscosity, Nucleated, Lubricated, 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	90	E-6/K
Other properties	Value	Unit
Water absorption	9	%
Humidity absorption	2.8	%
Density	1130	kg/m³
Material specific properties	Value	Unit
Viscosity number	195	cm³/g
Film Properties	Value	Unit
Stress at yield, parallel	34	MPa
Maximum stress, parallel	96	MPa
Maximum strain, parallel	350	%
Trouser tear resistance, parallel	33	N/mm
Dynamic coefficient of friction	0.8	-
WVTR, 23°C/85%r.h.	35	g/(m²*d)
Oxygen transmission rate, 23°C/0%r.h.	20	cm³/(m²*d*bar)
Oxygen transmission rate, 23°C/85%r.h.	31	cm³/(m²*d*bar)
Type of extrusion	cast	-
Thickness of specimen	0.05	mm

Diagrams



Characteristics

Processing

Film Extrusion, Other Extrusion, Casting

Delivery form

Pellets

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific

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)

Diethyl ether (23°C)

Other

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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