



This datasheet of **Akulon® F136-E1** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® F136-E1 | PA6 | Envalior

Product Texts

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

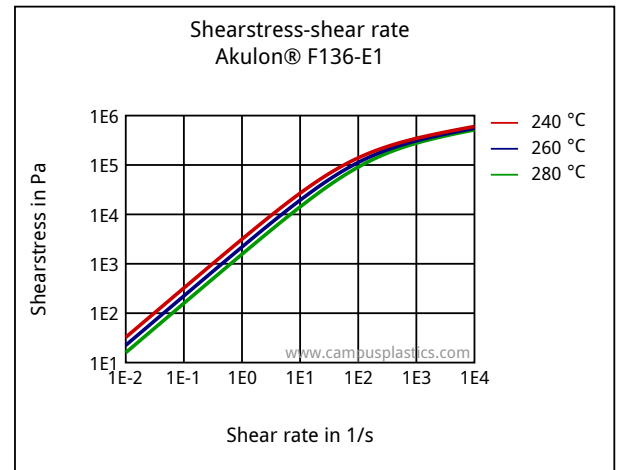
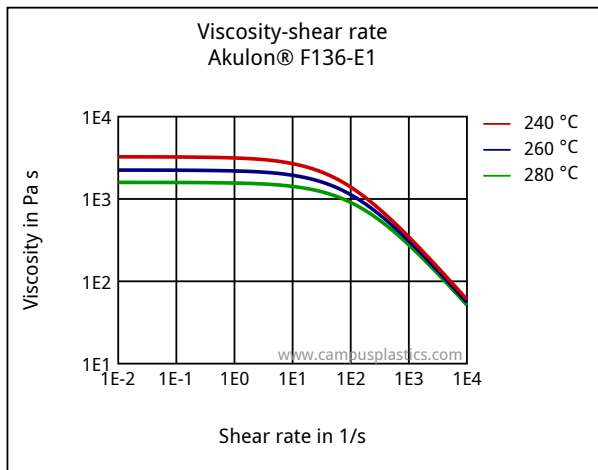
ISO 1043 PA6

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

| Other properties | Value | Unit |
|---------------------|-------|-------|
| Water absorption | 9 | % |
| Humidity absorption | 2.5 | % |
| Density | 1130 | kg/m³ |

| Material specific properties | Value | Unit |
|------------------------------|-------|-------|
| Viscosity number | 245 | cm³/g |

| Film Properties | Value | Unit |
|--|-------|----------------|
| Stress at yield, parallel | 34 | MPa |
| Maximum stress, parallel | 94 | MPa |
| Maximum strain, parallel | 350 | % |
| Trouser tear resistance, parallel | 32 | 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. | 23 | cm³/(m²*d*bar) |
| Oxygen transmission rate, 23°C/85%r.h. | 33 | cm³/(m²*d*bar) |
| Type of extrusion | cast | - |
| Thickness of specimen | 0.05 | mm |



Characteristics

Processing

Film Extrusion, Other Extrusion

Delivery form

Pellets

Additives

Lubricants

Regional Availability

North America, 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)

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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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