



This datasheet of **Akulon® F230-C** from **Envalior** is provided by the international plastics database **CAMPUS**.

**Akulon® F230-C | PA6 | Envalior**

**Product Texts**

Medium Viscosity, Extrusion, Injection Molding

ISO 1043 PA6

Mechanical properties	dry / cond	Unit
Tensile modulus	3300 / -	MPa
Yield stress	85 / -	MPa
Yield strain	4 / -	%
Nominal strain at break	35 / -	%
Charpy impact strength, +23°C	N / -	kJ/m²
Charpy impact strength, -30°C	N / -	kJ/m²
Charpy notched impact strength, +23°C	7 / -	kJ/m²
Charpy notched impact strength, -30°C	4 / -	kJ/m²
Thermal properties	dry / cond	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	150 / *	°C
Coeff. of linear therm. expansion, parallel	100 / *	E-6/K
Coeff. of linear therm. expansion, normal	140 / *	E-6/K
Other properties	dry / cond	Unit
Water absorption	9 / *	%
Humidity absorption	258 / *	%

Density 1130 / - kg/m<sup>3</sup>

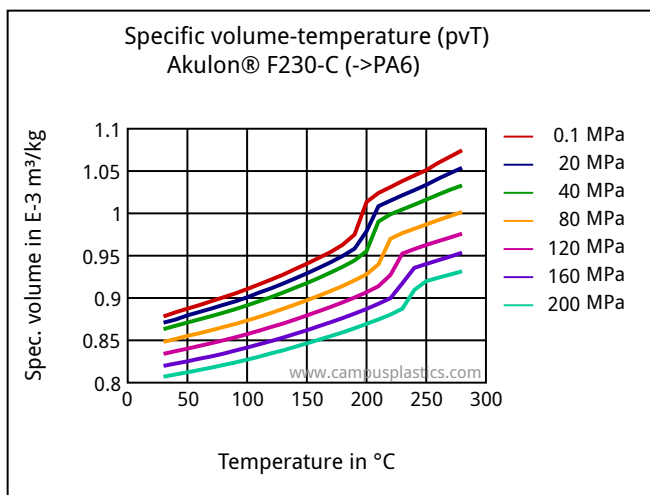
## Material specific properties

dry / cond Unit

Viscosity number

195 / \* cm<sup>3</sup>/g

## Diagrams



## Characteristics

### Processing

Injection Molding, Film Extrusion, Other Extrusion

### Delivery form

Pellets

### Regional Availability

Europe

## Other text information

### Injection molding

Injection Molding Recommendations

Steel recommendations for molds screws and barrels

Trouble shooting guideline for injection molding

### Film extrusion

Processing of Akulon® Film Grades

## Chemical Media Resistance

## Alcohols

Methanol (23°C)

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Ethanol (23°C)

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## 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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