

This datasheet of **Akulon® Fuel Lock FL40-HPX2** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® Fuel Lock FL40-HPX2 | PA6-I | Envalior

Product Texts

Low fuel permeation PA6 suitable for use in blow molding

ISO 1043 PA6-I

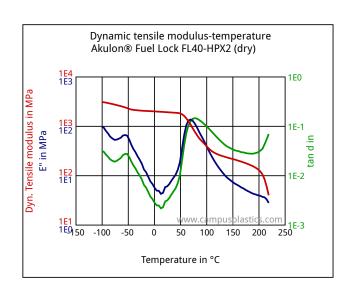
Rheological properties	dry / cond	Unit
Melt volume-flow rate, MVR	35 / *	cm³/10min
Temperature	275 / *	°C
Load	21.6 / *	kg
Molding shrinkage, parallel	1.6 / *	%
Molding shrinkage, normal	1.5 / *	%
Mechanical properties	dry / cond	Unit
Tensile modulus	2150 / 550	MPa
Yield stress	54 / -	MPa
Yield strain	3.8 / -	%
Nominal strain at break	>50 / -	%
Charpy impact strength, +23°C	N/N	kJ/m²
Charpy impact strength, -30°C	N/N	kJ/m²
Charpy notched impact strength, +23°C	90 / N	kJ/m²
Charpy notched impact strength, -30°C	22 / 21	kJ/m²
Puncture - maximum force, +23°C	4000 / -	N
Puncture - maximum force, -30°C	5500 / -	N
Puncture energy, +23°C	49 / -	J
Puncture energy, -30°C	63 / -	J
Thermal properties	dry / cond	Unit
Temp. of deflection under load, 1.80 MPa	55 / *	°C

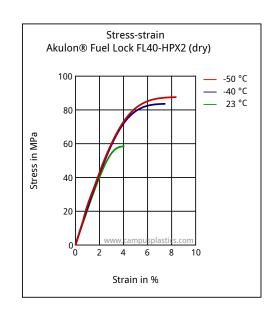
Temp, of deflection under load 0.45 MPa website, you agree to the use of cookies. Privacy Policy Close

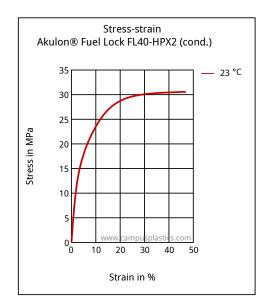
Vicat softening temperature, 50°C/h 50N	155 / *	°C
Coeff. of linear therm. expansion, parallel	150 / *	E-6/K
Coeff. of linear therm. expansion, normal	90 / *	E-6/K
Oth an arranged as		
Other properties	dry / cond	Unit
Water absorption	dry / cond 7.4 / *	W
	•	

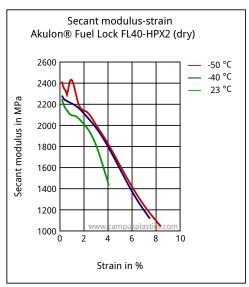
1080 / -	kg/m³
Value	Unit
1874	-
280	°C
80	°C
200	mm/s
	Value 1874 280 80

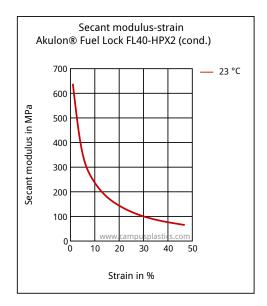
Diagrams











Characteristics

Processing

Blow Molding

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Other text information

Blow molding

Akulon® Fuel Lock Recommendations for Blow Moulding

Chemical Media Resistance

Alcohols

Methanol (23°C)

Hydrocarbons	
	Toluene (23°C)
Ketones	
	Acetone (23°C)
Ethers	
	Diethyl ether (23°C)
Other	

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Water (23°C)

Ethyl Acetate (23°C)

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