

# Akulon<sup>®</sup> Fuel Lock FL-LP

## PA6

Low fuel permeation PA6 suitable for use in injection molding/welding of small engine fuel tanks, UV Stabilized

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Tensile modulus	1800 / –	MPa	ISO 527-1/-2
Nominal strain at break	>50 / –	%	ISO 527-1/-2
Yield stress	50 / –	MPa	ISO 527-1/-2
Yield strain	4 / –	%	ISO 527-1/-2
Flexural modulus	1600 / –	MPa	ISO 178
Flexural strength	65 / –	MPa	ISO 178
Charpy impact strength (+23°C)	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	65 / 75	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	18 / 25	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Temp. of deflection under load (1.80 MPa)	50 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	130 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	1.2 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1.2 / *	E-4/°C	ISO 11359-1/-2
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Water absorption	7 / *	%	Sim. to ISO 62
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1070 / –	kg/m <sup>3</sup>	ISO 1183

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