

# Akulon<sup>®</sup> Fuel Lock FLE40–HP

## PA6–I

Low fuel permeation PA6 suitable for use in blow molding

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>MECHANICAL PROPERTIES</b>		<b>DRY / COND</b>	
Tensile modulus	1880 / 500	MPa	ISO 527–1/–2
Nominal strain at break	>50 / >50	%	ISO 527–1/–2
Yield stress	48 / –	MPa	ISO 527–1/–2
Yield strain	4 / –	%	ISO 527–1/–2
Flexural modulus	1800 / –	MPa	ISO 178
Flexural strength	71 / –	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)	100 / N	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (–30°C)	25 / 18	kJ/m <sup>2</sup>	ISO 179/1eA
<b>OTHER PROPERTIES</b>		<b>DRY / COND</b>	
Water absorption	7.3 / *	%	Sim. to ISO 62
Humidity absorption	2.7 / *	%	Sim. to ISO 62
Density	1060 / –	kg/m <sup>3</sup>	ISO 1183

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