

# Akulon® Fuel Lock FLE40-HP PA6-I

Low fuel permeation PA6 suitable for use in blow molding

Print Date: 2019-08-14

Properties	Typical Data	Unit	Test Method
<b>Mechanical properties</b>	<i>dry / cond</i>		
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>	<i>dry / cond</i>		
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